

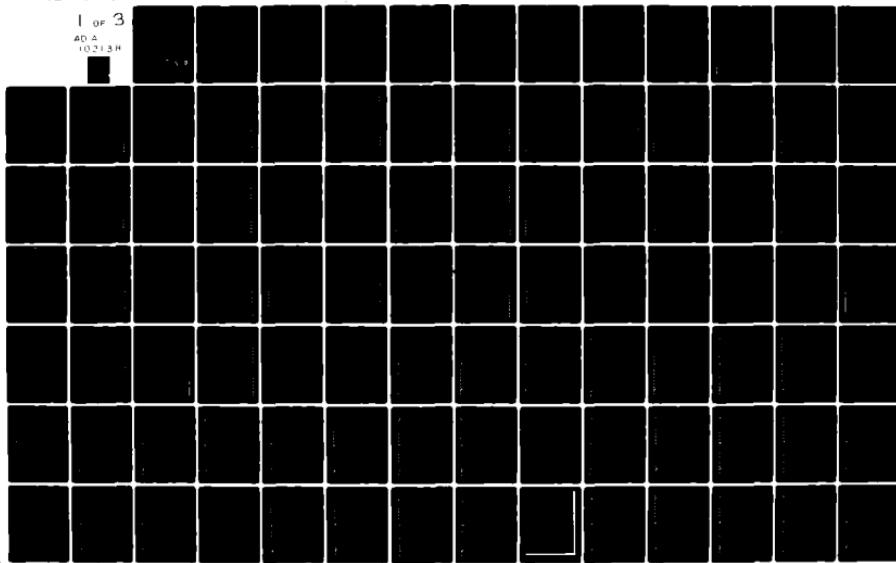
AD-A102 138

WHEELER INDUSTRIES INC WASHINGTON D C  
ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM DOCUMENTATION REV-ETC(U)  
OCT 78

F/G 13/10  
N00600-75-D-0799  
NL

UNCLASSIFIED

1 OF 3  
AD A  
102138



LEVEL 1

Contract N00600-75-C-0799

ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM  
DOCUMENTATION REVIEW

AD

REF ID: A6200

REF ID: A6201

REF ID: A6202

REF ID: A6203

REF ID: A6204

REF ID: A6205

REF ID: A6206

REF ID: A6207

REF ID: A6208

REF ID: A6209

REF ID: A6210

DMC FILE COPY

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By <u>Per Ltr. on file</u>	
Distribution/	
Availability Codes	
Avail. and/or	
Dist	Special
A	

OCT 1978



WHEELER INDUSTRIES, INC.

DTIC  
ELECTE

JUL 28 1981

S D

D

DISTRIBUTION STATEMENT

Approved for public release;

Distribution is limited

BY THE FACT THAT IT IS PRACTICAL

1. The facts which DO NOT  
support the conclusions

## **DISCLAIMER NOTICE**

**THIS DOCUMENT IS BEST QUALITY  
PRACTICABLE. THE COPY FURNISHED  
TO DTIC CONTAINED A SIGNIFICANT  
NUMBER OF PAGES WHICH DO NOT  
REPRODUCE LEGIBLY.**

## ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM

### DOCUMENTATION REVIEW

#### INTRODUCTION

##### Background

FY 78 Congressional action, delineated in House Report 95-451, required the Navy to deactivate/mothball the PLAINVIEW (AGEH-1) and HIGH POINT (PCH-1) by 30 September 1978.\* The DTNSRDC Advanced Hydrofoil Program Office reviewed the trials program documentation for these two hydrofoils for completeness and for the data generated prior to deactivation. Wheeler Industries, Inc., under contract number N00600-75-D-0799, was tasked (FD 16) to assist DTNSRDC Code 115 in this review. The Statement of Work for this task is given in Enclosure (1).

The task was to review all trials reports of PLAINVIEW and HIGH POINT since 1972 and system modernization documentation on these ships for the period 1973-1977 inclusive and to identify where documentation was incomplete. The Hydrofoil Special Trials Unit (HYSTU) at Bremerton, Wa., The Boeing Co., at Seattle, Wa., and the Advanced Ship Data Bank (ASDB) of DTNSRDC, Carderock, Md., in addition to the Advanced Hydrofoil Program Office at DTNSRDC, were designated sources of documentation. This report summarizes the findings obtained during conduct of the task.

##### Approach

All trials plans issued or approved Jan 1972 or later and those not completed by Jan 1972 in the technical or mission category were reviewed for reporting requirements and status. WTAs for the years 1975 to the present were also reviewed since these work tasks are now used for trials as well as modification and installations. The ASDB was searched for documents relating to PCH-1 and AGEH-1 and trials. HYSTU and The Boeing Co. Marine Division records were reviewed which required travel to the Seattle, Wa. area, and Hydrofoil Program participants D. Washburn, (NOSC Code 232), W. Buckley (DTNSRDC Code 1730.3), and H. Schab (DTNSRDC Code 2707) were contacted.

The Hydrofoil Program Office personnel (DTNSRDC Code 115 and staff) also provided inputs.

\*Senate-House Conference on the 1979 Defense Appropriations Bill agreed 11 October 1978 to retain HIGH POINT as a test vehicle through FY 80.

Preliminary findings, summarized in a report on 17 July 1978, were reviewed by HYSTU, The Boeing Co. Marine Division, and the Hydrofoil Program Office personnel. The comments, additional data, recommendations from the reviews and decisions are reflected in this report.

#### PENDED MATERIAL

The Boeing Co. Marine Division furnished its listing of trials plans from early 1967 (when the HYSTU last three digit consecutive numbering system for trials plans was started) and WTAs for 1975 to the present. These have been combined with the HYSTU Trials Plans listing, updated with the findings from this task, and are included as Attachments 1 and 2 to this report. The Trials Plans Advanced Ship Data Bank (ASDB) numbers have been added to the Trials Plans Listing under the Trials Plan number. Those plans for which an ASDB number is missing are not in the ASDB and no copy has been found. Attachment 3 contains a listing of voyages of PLAINVIEW (AGEH-1) for the calendar years 1977 and 1978.

A listing of the U.S. Navy hydrofoil development program trials related documentation in the ASDB is provided as Attachment 4. This listing is by categories as follows:

##### Technical Trials

- Hull Structures
- Propulsion
- Controls
- Auxiliary Systems
- Struts and Foils
- Materials

##### Mission Trials

- Weapons
- C&C, Navigation, and Sensors
- Signatures

##### Performance Trials

- Characteristics
- Operational

##### Structural

##### Hydrodynamics

Within these categories the entries are by corporate author alphabetically and, within this source, chronologically.

There are a total of 564 trials related documents in the ASDB.

The last fourteen pages of the computer printout contains all the trials related documentation classified with relevance 1, 2 or 3.

#### BRIEF SUMMARY OF FINDINGS

The results obtained are grouped in several categories and presented in Tables 1 through 3. Each table is discussed in the following paragraphs.

##### 1. Plans for Which Reporting was Incomplete

Table 1 contains a sequential listing of Trials Plans which may be of significance and which were not completed at the time of this review. Status, comments, and recommended disposition of the Trials Plans are provided. Recommendations are based on comments from program participants.

This listing is shorter than the one in the Preliminary Report of 17 July 1978 since documentation from some of the plans has been located and copies obtained for the ASDB.

##### 2. Trial Related WTAs not Fully Completed

All of the work tasks noted in Table 2 will have documentation prepared for them by The Boeing Co. WTA 0618-75-002H, "History of Hydrofoil Foreign Object Impacts", noted in the Preliminary Report of 17 July 1978, was found to have been cancelled due to the extent of recording hunting that would be required to recover data. This seems unfortunate since the question of the frequency and seriousness of object impacts seems to always arise in discussions on hydrofoil applications.

##### 3. AGEH-1 Overhaul and Mod-Major Modifications Documentation

Table 3 contains a listing, with comments, on the status of selected overhaul and Mod documentation significant enough to warrant expending effort to obtain.

##### 4. Suggestions for Development and Tests

There were several comments received during the performance of this task on AGEH-1 subsystems

for which some additional testing or development would be of value to the Advanced Hydrofoil Systems Development Program. Some program participants suggested that inclusion of these items in the report is beyond the scope of the task, and that an industry-government planning conference covering all future development/trials effort would be the appropriate vehicle for addressing the suggestions.

Accordingly, only the subsystems of interest that were mentioned are listed, as follows:

- AGEH-1 Transmission System powering tests
- HY130 tail strut
- Lube oil water separator bench tests
- Waste disposal system developments
- PACS disposition

#### 5. Existing Documentation not in ASDB

A number of pieces of documentation existing for PCW-1 and AGEH-1 were identified as having never found their way into the ASDB. Those identified and available have been obtained, classified, and entered into the ASDB.

#### 6. Other

- a. Reports from WTAs are not distributed to the ASDB. They must be requested. For example, the Ships' Plan Index (SPI) updating (1107-78-003P) is still to be completed; it was requested during the visit to The Boeing Co. Reports of interest prepared on other WTAs will have to be requested by DTNSRDC (HYSTU) for the ASDB.
- b. Pressure sensing trial requested by Van Bibber and already run has no Trial Plan, WTA or official agenda. Copy of his report due by the end of the FY.

## ADDITIONAL COMMENTS AND OBSERVATIONS

### 1. Structural Trials

- a. PCH-1 present trials data to be reported out by DTNSRDC Code 173 in a blue cover report but funds are needed for printing as soon as report is finished.
- b. Still no sufficiently defined loads on hull, S/F, or king post for efficient design. (This was a DTNSRDC Code 173 comment).

### 2. ASDB ENTRIES

A number of reports filed on Trials Plans were not classified for entry into the ASDB referencing the Trials Plans. A number of classification errors and omissions on report content were also noted. About 200 classification sheets were pulled and have been updated/corrected.

The document and trials plans listed below were not in the Advanced Ship Data Bank. They have now been classified and will be added to the data base during the November up-date scheduled for 2 November 1978. These documents, therefore, do not appear in Attachment four, the computer print-out of trials related documentation.

<u>Trials Plan No.</u>	<u>LB/No.</u>
ANA042-A337	10-U10074
AHY101-SP338	10-U10075
ANA044-A340	10-U10076
AHY104-H341	10-U10077
CNE031-P320	10-CO1223
CNE032-P321	10-CO1224
CNE033-P322	10-CO1225
Ltr. Ser. 47-76 (10/76) for Trials Plans BHY097-P333	10-U08412

### 3. Number of Trials Plans

As a matter of interest the number of trials plans (or equivalent agendas) are shown in Figure 1 for the years since 1971. The effect of AGEH-1 mod time and the decrease in program funding for hydrofoil development is readily apparent.

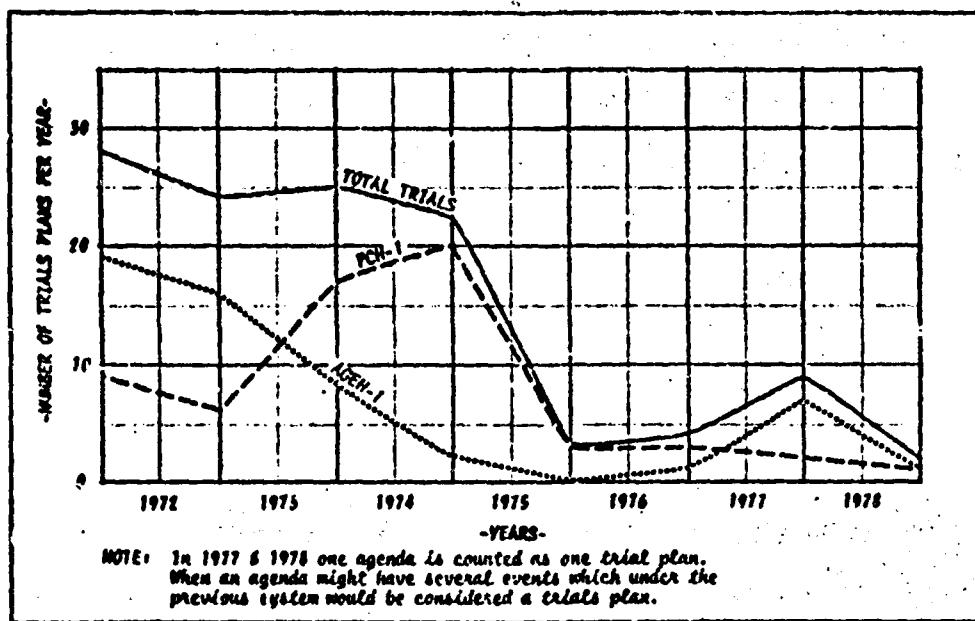


Figure 1 Total number of trials conducted by year.

TABLE I. TRIALS PLANS NOT FULLY COMPLETED

TRIALS PLANS NUMBER	DATE ISSUED OR APPROVED	TITLE	COMMENTS	ACTION/STATUS/DISPOSITION
1. APPROVALS	Approved 7/23/70 Ser 132-43; Rev A 10/16/70 Ser. 134-70	Passive Cathodic Protection System for AGD-1	Plan revised to use sprayed zinc hull coating passive system or increased Current Cathodic Protection (CCP) active system. The zinc spray was abandoned as impractical. The CCP was installed in the AGD-1 and was shut down when blisters appeared on the shield or anodes.	Cancel: Test, not run under controlled conditions. Provided little data to form basis for report.
2. APPROVALS	Approved 11/22/71 Rev. Ser 268-71	AGD-1 Galv Water Pmt 1 Load Character- istics (Part A)	At 8 Oct 1974 Trial, Board meeting. Sea States 3 and 4 data requested to be included in report but see state data obtained from the 6 trials is very limited.	Cancel: Better hull load data available from other ships. Data obtained is not worth cost of retesting and reporting on.
3. APPROVALS	Approved 11/30/71 Rev. Ser 301-71	PLAINTIV (AGD-1) Hullborne Rough Water Noise Characteristics	Boeing Ltr Rev 2-1124-1000-018 (8/73) noted that trials only 25% complete and manner in which trials conducted precluded valid data re- duction and reporting.	Close out. AGD-1 never deactivated. Data not worth cost of retesting and reporting.
4. APPROVALS	Approved 7/21/72 Ser 233-72	Forced Ventilation of Performance Propul- ters on PLAINTIV (AGD-1)	No shipboard trial conducted. Bench- tested to assure unit workable in hydrocyls. Returned unit to CNR.	Complete. Further testing on AGD-1 was ruled. With PLAS-3 take-off procedure could be altered to reduce time duration and minimize risk of hull/cyls with acceptable limits.
5. APPROVALS	Approved 11/17/72 Ser 255-72	Noise Reduction System on Hydrofoils	No shipboard trial conducted. Bench- tested to assure unit workable in hydrocyls. Returned unit to CNR.	Cancel. No trials to install unit, which can be tested on another ship.
6. APPROVALS	Approved 4/4/73 Ser 260-73	PCF-1 Mod 1 Search Water Charactiza- tion	Boeing data in form of curves for inch- sion in ship Definitive Characteristics Direct transmission by boot leg 10-7-1544 1000-1248 (6/29/70). Minimum but adequate data on most naval fullbore ops except a speed-power included. De- finitive Characteristics Blunder in AGD- 80 updated with this data.	DEFINISOC Code 1151 plus additional trim and speed-power data for Definitive Char- acteristics Blunder from the 1 trials plus one clean out.

TABLE 1. TRIALS PLANS NOT FULLY COMPLETED (continued)

TRIALS PLANS NUMBER	DATE ISSUED OR APPROVED	TITLE	CONTENTS	ACTION/STATUS/POSITION
7. ENTR0002-7302	Approved 8/7/73 Rev. A approved 11/19/73 Ser. 201-73	Marine Height Sensor Competition Evaluation	Testing included some rapid fire conventional weapon tests which should be reported on.	Closed out. Complete reports from this plan and ENTR03-73021 (two report for plan ANTR04-R1-4). Rev. B report number 2-1324-3000-1032 (AFTR03-6-10-1324-8 provides additional information).
8. ENTR0002-7303	Approved 1/7/74 Ser. 32-74 Rev. 1/22/74 Ser. 38-74	High Water Trials PCR-1 MOD 1 Rev. B	Initial number of events run. Closed out with note that new trials plan is prepared.	Closed out. Report for trials 8/20 1973-74 will contain results from these trials plus.
9. CTR0003-7303	Approved 7/9/74 Ser. 22-74	Underway Deployment Station Testing with Electronic Devices	PCAS has circuit providing programmed station keeping feature.	Completed. If PCAS is installed on HIGHPOLAR prepare new test plan to cover station keeping feature.
10. ENTR0004-7303	Approved 1/7/74 Rev. A 12/4/74 Rev. B 1/27/75	MOD Test - Effect of Varying Selsus on Heliborne Motion	Aborted trials. Insufficient sea state.	Canceled. Bulbous keel not for enough water trials ANTR04-7303.
11. CTR0003-7303	7/7/74	Report (Rev 2) Scatter/HIGH POLAR ROC Trials (U) Confidential	Only ROC portion of trials conducted.	Canceled. Data set of sufficient value to support out now.
12. ENTR000-7303	Approved 8/7/74 Rev. 301-74	Sundstrand AN/STU-5 Radar Altimeter - Height Sensor Evaluation on Hydrofoils	PC-1 1st 3000 Ser 3-76 (2/2/76) (continued by HIGHPOLAR memo 1134-078W; rev 02/5/76) and HIGHPOLAR-1/2/76 2004 (3/19/76) contained AN/STU-5 Radar Altimeter test results on PCR-1 and PCR-1, respectively.	Closed out. Complete data from this trials plan and plan ENTR03-7303 (AFTR03-6-10-1324-8) in AFTR04-R1-4.
13. ENTR0004-7303	Approved 9/7/74 Rev. 32-74 12/4/74 Rev 1/16/75	Evaluation of September 1974 Hydrofoil Digital Autopilot (HDAUP) Configuration on PCR-1 MOD 1	Trials verified minor improvements to barling hold. Lode in circuit on heading change, reduced hub borne gains. Master turns on Williamson turns.	Closed out. Report not complete in character only.
14. ANTR003-7303	Approved 12/4/74	PC-1 MOD 1 Flap Effectiveness & Static Dynamic, Barling Parameters and Following Braking	Trials data reduced and sent to DT/NSRDC Code 1307 for report. Pre- liminary look at results shows large scatter, no trends.	Canceled. Oust to do complete analysis too high to warrant questionable results.

TABLE 1. TRIALS PLANS NOT FULLY COMPLETED (continued)

TRIALS PLANS NUMBER	DATE ISSUED OR APPROVED	TITLE	CONTENTS	ACTION/STATUS/DISPOSITION
15. ANV005-7009	Approved 12/6/73	Specs like PCN Mod 1 Smooth Water Speed and Powering	PCN-1 Mod 1 speed and powering data from these and other pertinent trials were used to define a median speed-power curve for the ANV005 study. (See report 2-1524-1000-1137 (8/1/75) submitted.)	DTNSRDC Code 1131.3 prepare report on smoothed data for PCN-4 Smooth Water Trials Plans. DTNSRDC Code 1131 prepare report of monitor data on PCN-1 in ship Evaluative Characteristics Area (SEA), then close out.
16. ANV007-7021		PCN-1 1973 Rough Water Trials	This was a major trials effort and results were used for inputs to the loads criteria data.	DTNSRDC Code 1131 estimate for report to be prepared on PCN-1 forward (at completion. Close out).
17. ANV007-7022		PCN-1 [Forward PCN] Calibration	Most of the trials data is presented in the Cover Sheet H-7530-7504-013 (10/4/76). "Analysis of PEGASUS (PLIN-1) and HIGHPOINT (PCN-1, Mod 1) Full Calibration and Chamber."	Cancel. All equipment has been forwarded to USCC for confirmation of tests.
18. ANV008-7033	12/23/73	Rockwell International Anti-G-Clutter Radar System (ACR) Evaluation	Initial trials were conducted on PCN-1 and results used to update the approach prior to continuation of tests.	DTNSRDC Code 1131.3 to prepare report on trials. AHV-10 trials conducted same as those for AHV-6 under SH1003-3-R225.
19. ANV008-7040		T. & I. - AHV-20 Radar Attimeter		DTNSRDC Code 1131.3 prepare report on trials for the plan, SH1003-3-R225, then close out.
20. ANV007-7030		Experimental Determination of Array Survival Loads		Close out. No report from RUSC 7317 planned. Rewrite plan for performance tests on PCN-1 or on SH103-1 as scheduling permits.
21. ANV008-7044		NS1001 VES Trials		Testing to report on testing conducted to date under WTA 1107-75-0107.
				Testing report submitted for 8/76. PCN-1 recent: None - 10th plan active.

Table 2. TRIAL RELATED WTAs NOT FULLY COMPLETED

WTA or Operating Procedure Number	Date Approved	Subject	Author	Status/Comment
1. 1107-77-012A	8/24/77	Annotating AGEM-1 Post Overhead Checkout Agenda	D. Forman	In work at present: report due after deactivation.
2. 1107-77-005A	1/26/77	PLAINVIEW (AGEM-1) Dutch Roll and Height Transient Investigation. Agenda 77-H-403X.	J. Colemen	Effort commenced mid-Jugust. Final report due after deactivation.
3. 1107-77-003A	8/24/78	PLAINVIEW (AGEM-1) characteristics	J. Arnes	Effort commenced about 1 Sept. Final report due after deactivation.
4. 1107-77-710P	8/24/78	HIGHPOINT (PACS-1) characteristic data (fowing configuration)	J. Arnes	Effort commenced mid-Aug. Final report due after deactivation.
5. 1107-77-012A	8/24/77	Annotate AGEM-1 PACS Investigation per Agenda No. 17-1H-A01X 77-H-402X	J. Colemen	Work to continue on this task starting mid of September.
6. Agenda 77-H-A01X	8/24/77	PACS Pitch Reserve Oscillation Investigation	J. Colemen	Work to continue on this task starting mid of September.
7. Agenda 77-H-A02X	8/24/77	Yaw Oscillation Investigation	J. Colemen	Work to be completed after deactivation.
8. 0711.1	8/24/77	AGEM-1 Post Overhead Standard Document Checkout		Test agenda check, set results mid-August:
				<ul style="list-style-type: none"> <li>• 95% for Hydraulic System</li> <li>• 90% for PACS</li> <li>• 15% for AGEM-1 remaining Subsystems</li> </ul>

TABLE 3. AGEH-1 OH AND MOD- MAJOR MODIFICATIONS DOCUMENTATION

1. Fire Fighting System

    Satisfactory. Reports in ASDE.

- o Boeing WTA 1107-78-006A, "AGEH-1 Hydraulics System Evaluation" Report due after deactivation.
- o Boeing WTA 06418-74-108AA, "AGEH-1 Hydraulic System Engineering Support" (Approved 7/24/74) Report, due after deactivation:
- (1) The AGEH-1 New Hydraulic System Operating and Maintenance Manual
- (2) The AGEH-1 Hydraulic System Schematic.
- o Updated to reflect "as installed" system.

2. Hydraulic System

- o Boeing WTA 1107-78-006A, "PACs Installation, Operation and Maintenance Chronicle." Report due after deactivation.
- o Boeing WTA-1107-78-001A, "MANTRIC Automatic Control System, Evaluation of." Report due after deactivation.

3. AGE (HUDMAP, PACS)

    Complete. Documentation (Grumman) No. 18 HSTU has requested Grumman Aerospace Corp. to send set of drawings on file. A set of documentation has also been requested for the DTNSRDC ASDE.

4. HTA30 Tail Stays

    o Boeing WTA 1107-77-010A and Rev. 0, "Examination of Failed AGEH-1 Propeller Blade #977." Metalurgical Lab Report completed; refer to Boeing LR. 11-3538-1000-2331 (12/9/77). DTNSRDC Code 1134.3 propose letter report on history of failures of propeller on AGEH-1.

5. Propeller Failure

    o Boeing WTA 1107-77-010A and Rev. 0, "Examination of Failed AGEH-1 Propeller Blade #977." Metalurgical Lab Report completed; refer to Boeing LR. 11-3538-1000-2331 (12/9/77). DTNSRDC Code 1134.3 propose letter report on history of failures of propeller on AGEH-1.

6. Transmission System

    o Full power test under Agenda No. 78-11-001X, "PLAINVIEW AGEH-1 Full Power Trials, Holloman," could not be completed prior to deactivation.

    o History report will be completed by DTNSRDC Code 2307 10/78.

7. Torque and Thrust Meter History

    o Thrust meter problems on AGEH-1 were the result of failure, during installation, to protect WTB-4 connectors in the pods from the environment. DTNSRDC Code 1134.3 propose letter report on history of torque and thrust meters on AGEH-1.

8. GTP P: Log History

    o A report by DTNSRDC Code 2707 is recommended. An article in the Naval Engineer Journal Vol. 39, No. 2 (4/77), "GTP Piping/Shipboard Applications," by H.W. Scheid and G.F. Wilhelm has been obtained for the DTNSRDC ASDE.

## STATEMENT OF WORK

Task: The contractor shall:

- a. review all trial reports of the HIGH POINT and PLAINVIEW since 1972.
- b. Compare trial reports with initial plans and identify all areas where expected results were not attained.
- c. review all system modernization documentation accomplished from 1973-1977 inclusive.
- d. identify where documentation is incomplete regarding work accomplished and results attained.
- e. analyze technology documentation gaps and prepare plan for completing documentation prior to deactivation.

**ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM  
DOCUMENTATION REVIEW**

**ATTACHMENT-1 TRIALS PLANS LISTING**

Plan & ASDS No.	Issued or Approved	Title	Status
CHY002-P001 10-006922	3/10/67	Dockside Dummy Torpedo Firing	Complete in 1967
ABE001AP002 10-006922	3/10/67	Foilborne Transmission Disconnect Coupling Modification - Short Range	Complete in 1967
ABE002-P003 10-006920	3/10/67	Foil Tip Load Alleviation Study	Complete in 1967
ABE006-P004 10-006920	3/21/67	Inspection Window - Foilborne Upper Gearbox Input Coupling	Complete in 1967 Drydocking
AYX001-P005 10-007026	4/12/67	Ships Service Hydraulic System Modification - Outdrive Retraction	Complete in 1967
CHY003-P006 10-007027	4/12/67	Torpedo Firing	Complete in 1967 Trials, Document 02-133703-7
CHY004-P007		Replenishment at Sea	Complete in 1967 Trials, Document 02-133703-11
ABE007-P008 10-006917	3/28/67: Rev A 4/26/67	Retraction Mechanism Calibration and Inspection	Complete in 1967 Dockside Tests
BBE003-P009 10-006919	3/30/67	After Foil Tip Structural Test	Complete in 1967 Drydocking Document 02-133703-18
CHY005-P010		Navigational Capability	Complete in 1967 Trials, Document 02-133703-9
ABE011AP011 10-006913	3/30/67	Foil System Coatings	Complete
AYX006-P012 10-007028	5/5/67	Fuel Tank Sealing	Complete in 1967 Drydocking
BBE008-P013 10-006916	7/2/68: Rev C 7/5/68	Forward Strut Pressure Distribution	Complete in 1967 Drydocking, letter report
AYX007-P014 10-007029	—	Closed Circuit TV Camera Trainable Mount	Cancelled: No valid reason for the plan.
CNE002-P015 10-007165	5/5/67	Sonar Bearing & Range Accuracy Test	Canceled: Sonar equipment removed from craft

Plan #	ASDR No.	Issued	Title	Status
CNE003-P016 10-007166			Evaluate Search and Rescue (SAR) Capability-Establish SAR Doctrine	Canceled 11/16/70 Ser. 217-70
ABE009-P017 10-006915	3/30/67		Modified Fairing at the Foi! System Pod and at System Strut Foi! Intersection	Complete in 1967 drydocking
ABE039-P018 10-006897	5/11/67		Installation of 75KC Tracking Capability	Complete in 1967 drydocking
CNE001-P019 10-007164	5/24/67		Flow Noise Measurements Using Depth Sounder	Canceled 11/16/70 Ser. 218-70
ABE032-P020 10-006901	4/24/67		Foilborne Power Train Inspection	Complete in 1967 drydocking
ABE030-P021 10-006902	5/4/67		Autopilot Hydraulic System Modification	Complete in 1967 drydocking
ABE037-P022 10-006898	4/25/67		Autopilot System-Proteus Pump Unloading Test	Complete in 1967
ABE041-P023 10-006898	5/15/67		Aft Strut Fences (Mfg. & Instl.)	Complete in 1967 drydocking
AHT008-P024 10-007090	5/24/67		Modification of Flushing System	Complete in 1967 drydocking
ABE026-P025 10-006905	5/3/67		Autopilot Modification for Foi! Tip Load Alleviation	Complete in 1967 drydocking
AHT009-P026 10-007091	5/24/67		Miscellaneous Drydock Jobs	Complete in 1967 drydocking
CNE004-P027 10-007167	5/16/67		Acoustic Calibration of Depth Sounder	Canceled 11/16/70 Ser. 219-70

Plan & ASDA No.	Issued or Approved	Title	Status
BBE043-P028 10-006893	5/22/67	Pre-Drydock Reference Condition Tests of Craft Performance	Complete in 1968 Documents D2-133703-17 and D2-133614-1
BBE022AP029 10-006907	5/23/67	Aft Foil and Strut Load Data Analysis Being Reported with BEO69-P087	Complete
BBE018-P030 10-006910	5/23/67	Analysis of 1966 Rough Water Trials	Complete in 1968 Document D2-133608-1
BBE017-P031 10-006911	5/16/67	Analysis of 1966 Smooth Water Trials	Complete in 1967
ABE004-P032 10-006918	5/22/67; Rev. 7/18/67	Aft Foil System Instrumentation	Complete in 1967 Drydocking
BBE010-P033 10-006914	3/29/67	Data Review of Steering Performance	Complete in 1967
BBE035-P034 10-006900	5/31/67	Aft Foil System Structural Response Study	Complete in 1968. See Document D2-133612-1
CNE005-P035 10-007168	6/30/67	PCH - Depth Sounder Evaluation	Complete in 1968 trials Document D2-133703-35
CNE006CP036 10-007169	4/25/67	PCH Towed System Trials - Towline Evaluation	Report due 6/1/72 Complete NUC TP 241 Ser 244-72 77772
CML001-P037 10-007199	4/17/68	PCH Gunnery Trials - MK3 MOD 4 40mm Mount (STRUCTURAL SURVEILLANCE)	Complete in 1968 Trials, Document D3-133703-31
AR4001-P038 10-007262	7/3/67	Dynamic Meas. of Aft Foil Structure and Foilborne Transmission	Complete in 1967

Plan & ASDA No.	Issued or Approved	Title	Status
ABE044-P039 10-U0693	6/9/67	PCH Instrumentation Plan	Complete in 1967 drydocking
ABE029-P040 10-U0693	7/19/67	Autopilot Log and Autopilot Maintenance Manual Revision	Log completed in 1967 and manual completed in 1968. See D2-133618-1
ABE019-P041 10-U0693	6/27/67	Foilborne Operations Manual for PCH-1	Canceled. Need superseded by PCH-1 (Mod 1) plans to incorporate a new autopilot.
BHR010-P042 10-U07092	9/5/67 Ser 82-67	PCH Foilborne Propellers - Mod with B. F. Goodrich Inlays	Complete in 1968 trials. See Document D2-133624-1 and D2-133703-37.
CWA002-P043 10-U07263	8/28/67	Evaluation of Helm Control at High Speeds	Canceled 11/16/70 Ser. 224-70
BSE049AP044 10-U06894	8/25/67	Post Drydock Verification and Smooth Water Initial Evaluation Trials	Complete Aug. 1969. See Documents D2-133631-1 and D2-133703-20.
CWA003-P045 10-U07170		Magnetic Field Measurements on PCH-1 (Classified)	Complete in 1968 trials Document D2-133703-21
CNE007-P046 10-U07170	9/18/67 Ser 89-67	Foilborne Simulated Night Navigation Mission	Complete in 1968 trials, Document D2-133703-28
CNE008-P047 10-U07171	9/18/67 Ser 89-67	Surveillance/Reconnaissance and Simulated Gunfire Mission	Complete in 1968 trials, Document D2-133703-26
CNE009-P048 10-U07172	9/18/67 Ser 89-67	Off Shore Patrol and Search	Complete in 1968 trials, Document D2-133703-27.
CNE010-P049 10-U07173	9/18/67 Ser 89-67	Convert Unit Delivery Missions	Canceled 11/16/70 Ser. 220-70

Plan & ASDB No.	Issued or Approved	Title	Status
CME011-P050 10-007174	9/18/67 Ser 89-67	Daylight UDT Delivery Mission	Canceled 11/16/70 Ser. 221-70
CME012-P051 10-007175	9/18/67 Ser 89-67	Task Force Operation	Canceled 11/16/70 Ser. 222-70
CME013-P052 10-007176	9/18/67 Ser 89-67	Endurance Mission	Canceled 11/16/70 Ser. 223-70
ABE056-P053 10-006889	7/14/67	Height Sensor Calibration Fixture	Complete in 1967 Drydocking
BBE051AP054 10-006891	9/15/67	Speed, Power and Take-off Margin Reference	Canceled, Reinstate, Completed, Revived by Revision A 12/16/71
BBE050-P055 10-006892	10/4/67	Re-evaluation of Foilborne Operating Envelope	Complete, Reported with BE079-P088 in 1968
BBE020-P056 10-006893	8/25/67	On Board Wave Height Measurement Instrument	Complete in 1968, Document 10-72108
BBE057-P057 10-006894	10/3/67	Control System Pre-Rough Water Adjustments and Refinements	Complete in 1967 trials, Document D2-133703-23 and D2-133628-2
CME001-P058 10-007196	10/24/67 Ser 110-67	Acoustic Trials at NTS, Keport	Complete in 1967 trials, Document D2-133703-22
AKA004-P059 10-007264	11/16/67 Ser 112-67	Zurn Transmission Coupling Evaluation	Complete in 1968 trials, Document not published.
AKY011-P060		Salt Water System Valves, PSNS Design	Complete in 1968 drydocking
ABE061-P061	11/3/67	Gas Turbine Drive Coupling	Complete in 1967 drydocking
ABE058AP062 10-006885	10/13/67	After Strut Trunk Measurements on PCH-1	Complete in 1968, Ser 02-133621-1
BBE057AP063 10-006886	10/24/67	Rough Water Technical Trials - Foilborne Maneuvering and Seakeeping	Complete in 1968, Document D2-133703-25 and D2-133623-1 & 2
ABE063AP064 10-006883	12/8/67	Foilborne Propellers - Repair, Continuing Inspection and Documentation of Activity	Completed in 1969, Document D2-133624-1

Plan & ASDR No.	Issued or Approved	Title	Status
BBE064-P065 10-U06881	12/8/67	Integrated Rough Water Trials Data Requirements	Complete in 1968. Processed data sent to NSRDC.
BBE065-P066 10-U06880	12/14/67	Weight Updating and reporting for HIGH POINT	D2-33622-1 Mod 0 Close-out Complete
BBE053AP067 10-U06887	11/22/67	Rough Water Speed, Power and Takeoff Margin Test Plan for HIGH POINT	Cancelled superseded by BME05CP099 using torque meter.
ABE036-P068 10-U06899	4/26/67	Data System Documentation	Completed 6-14-74
CH2001-P069 10-U07197	3/29/68 Ser 48-68	Torpedo Tests, Exercise Shots	Completed in 1968 trials. Documentation D2-133703-29
BME002AP070 10-U07202	3/5/68	Thrust and Torque Measurements	As built records completed in 1969
ABE076-P071 10-U06870	3/6/68	400 Cycle Supply System Modification	As built records completed in 1969
ABE071AP072 10-U06875	3/5/68	Hull Underwater Windows for Aft Strut Viewing	As built records completed in 1969
ABE060BP073 10-U06884	3/1/68	Pelorus Installation	As built records completed in 1969
CHU002-P074 10-U07198	8/7/67 Ser 73-67	Gunnery Trials, 40mm Mount	Completed in 1968 trials. Report D2-133703-31
ABE077CP075 10-U06869	Approved 6/23/69 Ser 124-69	True Motion Display System, Repair and Calibration	As built records completed in 1969
BNS001-P076 10-U07200	3/28/68 Ser 52-68	Salt in Air Sampling	Completed in 1968 trials
BNS001-P077 10-U07201	10/20/67	Seaworthiness Tests	Complete in 1968 trials Document D2-133703-25
BBE074CP078 10-U06872	7/2/68; Rev B 7/11/68 3/1/68	Strut Side Slip Angle Indicator Miscellaneous Mechanical Modification and Repair	As built records completed in 1969
ABE0663P079 10-U06879			As built records completed in 1969

Plan & ASDA No.	Issued or Approved	Title	Status
ABE067AP080 10-U068678	3/1/68	Miscellaneous Autopilot Hydraulic Modification and Repair	As built records completed in 1969
ABE0788P081 10-U06868	3/7/68	Control System; Miscellaneous Clean-up and Modification	As built records completed in 1969
BBE0738P082 10-U06873	3/14/68 Rev A 4/30/68	Forward Foil System Structural Instrumentation Plan	Completed; see Document D2-133629-1
CHY012-P083		Endurance Trip for HIGH POINT (Portland)	Canceled 11/16/70 Ser. 225-70
ABE081AP084 10-U06866	4/5/68	PCH Mod "0" Critical Dimension Survey	As built records completed in 1969
ABE085-P085 10-U06864	5/3/68	Damage Survey - Interim Repair May 1968	Complete in 1968 Drydocking
ABE086AP086 10-U06862	5/68	Miscellaneous Repairs on Hull, Strut and Downlock for 3 April Damage	As built records completed in 1969
BBE063-P087 10-U06877	5/15/68	1967/68 After Foil and Strut Loads Data Analysis	Completed 3/6/70, Document D2-133610-1
ABE088-P088 10-U06860	6/6/68	Watertight TV Camera Housings	As Built records completed in 1969
ABE079-P089 10-U06867	5/29/68	Smooth Water Foilborne Control & Behavior Analysis - PCH-1 Sept. 1967/May 1968	Complete in 1968, See Document D2-133628-1
BBE087-P090 10-U06861	5/29/68	Debris Detection for Hydrofoil Ships - Feasibility Study	Complete in 1968, See Document D2-133045-1
ABE090AP091 10-U06858	7/16/68 Rev A 11/11/68	100 KW Generator and Electrical System Change	Completed in 1969
ABE090AP092 10-U07208	Rev. A approved 1/6/70 Ser. 02-69	Throttle Modification and Repair	Complete 1972 Overhaul 8/9/72 Ser. 281-72
ANA005AP093 10-U07265	9/9/68	Determination of Machinery Vibration Characteristics of PCH-1	Complete 8/9/72 Ser 281-72

Plan & ASDS No.	Issued or Approved	Title	Status
AN006-P094 10-U07266	9/3/68	Emergency Exit Arrangement for Machinery Space of PCH-1	Complete in 1969
ABE095-P095 10-U06854	8/30/68	PCH-1 Rehabilitation of Nacelle Strain Gages M1 and N1	As Built Records completed in 1969
BNH003-P096 10-U07203		Foilborne Dynamic Response Tests (PCH-1)	Trials completed. Report Complete TN-P-196 per Ser 378-72, 11/14/72
BNW068P097 10-U07205	9/24/68 Ser 154-68 Rev B 3/7/69	PCH-1 Hullborne Vibration Tests	Complete
BNH004BP098 10-U07204	9/24/68 Ser 156-68 Rev B 10/22/68 Ser 184-68	EM Speed Log; Rough Water Performance Using Towed Knot M1 for Comparison	Complete
BNH005CP099 10-U07206	10/30/68 Ser 191-68 Rev C 12/11/68	Foilborne Speed and Power Tests (PCH-1)	Complete NSRDC T&E 264H-06 TN-P-12 TN-P-17
BBE070AP100 10-U06876	8/16/68	Forward Foil and Strut Loads Data Analysis (Series A)	Complete
BBE082-P101 10-U06863	8/15/68	Smooth Water Hydrodynamic Trials (Series A)	Complete
ABE094-P102 10-U06855	9/17/68	Installation of Additional Recording Channels on PCH-1	Completed in 1968 drydocking
ABE088-P103 10-U06859	10/14/68	1969 Post Drydock Verification Trials	Completed in 1969
ANH013AP104 10-U07093	10/14/68	Installation of Auxiliary Electrical Heating System Onboard HIGH POINT (PCH-1) for Improved Habitability	Completed in 1969
ABE0918P105 10-U06857	8/15/68	Integrated Camera System	As Built records completed in 1969
BNH007AP106 10-U07207	Approved 6/17/69, Ser 114-69 Approved 5/16/69 Ser 186-69	Single Engine Performance	Complete TN-P-15

Plan & ASDS No.	Issued or Approved	Title	Status
ABE093-P107 10-U06856	10/25/68	PCH-1 Data System Measurement Changes	As Built records completed in 1969
ABE098-P108 10-U06851	10/31/68	Test Instrumentation Center Plan	Completed in 1969
BME010-P109 10-U07210	11/18/68	Specific Fuel Consumption of PCH-1	Complete
AHY014-P110 10-U07094	12/3/68	Propulsion Plant Safety Modification PCH-1	Completed in 1969
BBE099-P111 10-U06850	11/11/68	PCH-1 Foil System Coating Documentation	Complete (Superseded by NA023-P182)
AHY015-P112 10-U07093	1/2/69	Installation and Operation of Wind Speed and Direction Aerovane Transmitter Model 120 Aboard HIGH POINT (PCH-1)	Completed in 1969
CME011-P113 10-U07212	Approved 1/21/69 Ser 15-69	Test and Evaluation of Raytheon Model 723 D Fathometer	Completed in 1969
BMD12AP114 10-U07222	Approved 1/16/69 Ser 12-69	Lateral Stability and Turning Characteristics (Foilborne)	Complete
AHY016-P115 10-U07096	2/1/69	Closed Circuit TV Camera Wiring	Completed in January 1970
BBE084AP116 10-U06863	2/9/69	Rough Water Technical Trials (1969)	Reported in D2-133705-1
AHY017BA117 10-U07097	Approved 3/6/69 Ser 33-69	AGEH-1 Post Delivery Inspection/Assessment Plan	Completed in 1969
AHY014-P118 10-U07214	Approved 3/10/69	Rough Water Evaluation OE121 Fathometer	Completed
BME009AP119 10-U07209	Approved 3/24/69 Ser 40-69	Determination of the Axis of Rotation of the PCH-1	Completed - Reported with NA003-P096
CBE097-P120 10-U06852	Approved 4/17/69 Ser 57-69	Replenishment at Sea	Completed

Plan & ASDA No.	Issued or Approved Ser	Title	Status
ANAA007-P121 10-U07267	Approved 4/1/69 Ser 43-69	Study of Plastic and Glass-Reinforced Plastic Piping & Valves in PCH-1 Sea Water Systems	Completed 2/7/73 Ser 39-73
AHY018-P122 10-U07098	Approved 4/15/69 Ser 56-69	Conversion of 5 Gal per/min. Fuel Pump to 20 Gal. per/min. Fuel Pump.	Completed in 1969
AHY019-P123 10-U07099	Approved 4/30/69 Ser 66-69	Installation of Electric Low Pressure Air Compressor System on HIGH POINT	Completed in 1969
AAA002-P124	Approved 5/5/69 Ser 76-69	Installation of Non-Metallic Fire Pump System on HIGH POINT	Complete
AAA003AP125	Approved 5/5/69 Ser 75-69 Rev. A approved 1/6/70 Ser 3-70	Installation of a Non-Metallic Replacement for the Number Two Sea Water Booster Pump on HIGH POINT	Completed in 1969
ABE102AA126 10-U06848	Approved 5/12/69 Ser 79-69	Automatic Control Equipment Dockside Inspection and Test	Complete
BHN016-A127 10-U07216	Approved 5/19/69 Ser 91-69	Installation of Anemometer UM05 on AGEH-1	Completed in 1969
ABE103AA128 10-U06849	Approved 5/27/69 Ser 93-69	Photographic Documentation AGEH-1 As	Completed 10/17/74 Ser 364-74
AHY023-P129 10-U07103	Approved 5/27/69 Ser 95-69	Installation of Control Air Gage in the pilothouse of HIGH POINT	Completed in 1969
ABE110-A130 10-U06843	Approved 5/27/69 Ser 96-69	Post Delivery Miscellaneous Repair Modification	Completed in 1969
ABE111AA131 10-U06842	Approved 5/28/69 Ser 97-69; Rev A approved 9/10/69 Ser 181-79	AGEH-1 Instrumentation Functional Test and Calibration	Canceled (Superseded by MTR028-A186)

Plan & ASDB No.	Issued or Approved	Title	Status
ANH020AA132 10-U07100	Approved 5/28/69 Ser 98-69; Rev A approved 6/17/69 Ser 113-69	PLAINVIEW Post Delivery Miscellaneous Repair and Modification	Complete
ANH025-PI133 10-U07105	Approved 6/2/69 Ser 102-69	Platform Deck Modifications - Fuel Tank Area (PCH-1)	Completed 1972 Overhaul; 8/9/72 Ser 280-72
ANH022-PI134 10-U07102	Approved 6/18/69 Ser 118-69	Installation of Heated Glass in the Forward Port and Stbd Side Panes of HIGH POINT Pilothouse.	Completed in February 1970
ANH008AA135 10-U07268	Approved 6/18/69 Ser 119-69; Rev A approved 9/10/69 Ser 182-69; Rev B approved 4/28/72 Ser 165-72; Rev C approved 6/08/72 Ser 217-72	Post Delivery Miscellaneous Hydraulic System Repair and Modification to PLAINVIEW (AGEH-1)	Completed 8/31/73 Ser. 213-73 NSRDC Ltr. 1152: CRR HF-183 1-3-73
BBE107-A136 10-U06846	Approved 6/24/69 Ser 128-69; Rev A 6/20/73 Ser 144-73	AGEH-1 Weight Analysis and Reporting Log	Completed 6/14/74
ANH015-A137 10-U07215	Approved 6/23/69 Ser 124-69	Machinery Instrumentation Station AGEH-1	Completed in January 1970
BBE018AA138 10-U07218	Approved 6/23/69 Ser 125-69; Rev A approved 9/10/69 Ser 185-69	Preliminary Characterization Trials AGEH	Complete
ANH013-PI139 10-U07213	Approved 6/23/69 Ser 126-69	PCH-1, Digital Readout of Ship Speed	Completed in February 1970

Plan & ASDS No.	Issued or Approved	Title	Status
BSE104AA140 10-U06847	Approved 6/23/69 Ser 127-69	AGEH-1 Operating Characteristics - Smooth Water Hullborne and Foilborne Exercises	Complete
AHY021-A141 10-U07101	Approved 7/8/69 Ser 137-69	Post RAV Verification - AGEH-1	Completed in 1970
ABE108AA142 10-U06845	Rev A approved 10/22/69 Ser 221-69	Automatic Control Equipment Adjustment and Rework (AGEH-1)	Completed in February 1970
AHY024-P143 10-U07104	Approved 7/2/69 Ser 138-69	Installation of Additional Safety Seating Onboard HIGH POINT (PCH-1)	Completed in 1968
AHY033-P144 10-U07111	Approved 7/22/69 Ser 150-69	Conversion of Upper Sonar Trunk (Mast) Into Stowage Area for Damage Control Equipment	Completed in 1969
ANA009-A145 10-U07269	Approved 7/23/69 Ser 153-69	Noise Treatment off AGEH-1	Complete
AHY030AA146 10-U07108	Approved 7/23/69 Ser 152-69; Rev A 10/16/70 Ser. 194-70	Passive/Active Cathodic protection System for AGEH-1	Cancelled 10/2/78
AHY032-A147 10-U07110	7/23/69	Towed Knotmeter Installation	Installation completed in 1969
AIRH019-P148 10-U07219	Approved 7/31/69 Ser 157-69	Aft Strut-Foil Pod Contour Clean Up (PCH-1)	Completed in 1969
ANA010-A149 10-U07270	Approved 9/3/69 Ser 171-69	Machinery Noise Characterization of PLAINVIEW (AGEH-1)	Complete
AHY037-A150 10-U07113	Approved 9/3/69 Ser 172-69	Installation of Two Tables and PIn Chairs in Anchor Windlass Room of AGEH-1	Complete
AHY027-P151 10-U07107	Approved 9/3/69 Ser 173-69	Safety Hand Railing on Board HIGH POINT (PCH-1)	Completed in 1969

Plan & ASDB No.	Issued or Approved	Title	Status
ANV031-A152 10-007109	Approved 9/3/69 Ser 174-69	Radio Communication System for HYSTU Test Operations	Complete
ANV038-P153 10-007114	Approved 9/3/69 Ser 170-69	Television Presentation Via Plotthouse 1nd Display	Complete
BNW020-P154 10-007220	Approved 9/8/69 Ser 177-69	Strut Clean-up Evaluation (Reference N019-P148)	Complete
ANV039AP155 10-007115	Approved 9/12/69 Ser 184-69; Rev A 12/4/70 Ser 248-70	Automatic Heading Hold on HIGH POINT (PCH-1)	Complete
ANV046-A156 10-007119	Approved 9/25/69 Ser 194-69	Relative Humidity Surveillance and Protective Coating of Void Spaces (AGEH-1)	Complete
ANV041-A157 10-007116	Approved 9/25/69 Ser 195-69	Emergency Steering Power Supply Modification (AGEH-1)	Completed in 1969
ANV053-A158 10-007124	Approved 9/29/69 Ser 200-69	Nitrogen Charging of Hydraulic Accumulators and Compressors Aboard PLAINVIEW (AGEH-1)	Completed in 1969
BNW021AP159 10-007221	Approved 10/1/69 Ser 206-69; Rev A approved 5/13/70 Ser 60-70	Forward Foll Tip Extension Evaluation (PCH-1)	Complete
ANV054-A160 10-007125	Approved 10/13/69 Ser 206-69	Auxiliary Diesel Tests (AGEH-1)	Complete
ANV045-A161 10-007118	Approved 10/13/69 Ser 205-69	AGEH-1 Electronics Equipment Room Rearrangement	Complete
BNW0228P162 10-007222	Approved 10/22/69 Ser 220-69	Characterization Trials PCH-1	Complete

Plan & ASRS No.	Issued or Approved	Title	Status
ANR09-A163 10-007120	Approved 10/22/69 Ser 222-69	Installation of the Portable Decontamination Unit in PLAINVIEW	Complete
ANR051-A164 10-007121	Approved 10/27/69 Ser 230-69	Verification of the Operating Characteristics of the Foilborne Salt Water and Lube Oil System Pumps and Determination of the Minimum Foilborne Speed of AGEH-1	Complete
ANR047-A165 10-007123	Approved 10/27/69 Ser 229-69	AGEH-1 Fathometer Testing	Complete 3/11/72
ABE109-A166 10-006844	Approved 10/30/69 Ser 237-69	PLAINVIEW (AGEH-1) Automatic Control System Configuration Log	Completed 6/14/74
ANR035-A167 10-007122	Approved 10/30/69 Ser 236-69	Exhaust Stack Hangar Modification	Complete
CNE019CP168 10-007181	Approved 10/30/69 Ser 235-69; approved 6/25/71 Ser 187-71	Evaluation of the Westinghouse Electric Corp. Phase-Comparison Sonar Systems and the NSRDC, Panama City Doppler Sonar System.	Complete 10/1/71
ABE113-P169 10-006841	Approved 10/30/69 Ser 240-69	Forward Flap Drive Shaft Modification (HIGH POINT)	Complete
ABE116-P170 10-006838	Approved 11/6/69 Ser 246-69	400 CPS Power Supply Modification	Complete
ANR056-A171 10-007127	Approved 11/14/69 Ser 251-69	Modification of Aft Strut Downlock Indicator PLAINVIEW (AGEH-1)	Complete
ANR058-A172 10-007129	Approved 11/17/69 Ser 252-69	Automatic Load Transfer Between No. 1 and No. 2 Static Converters	Complete
ANR055-P173 10-007126	Approved 12/1/69 Ser 264-69	Photographic Documentation - PCH-1 As-Built	Closed out for Mod 0 Record is Complete

Plan & ASDS No.	Issued or Approved	Title	Status
ABE121AA174 10-006834	Approved 1/5/70 Ser 276-69; deferred 4/24/70 Ser 48-70; Rev. A 12/29/71 Ser 415-71	Integrated Motion Picture Camera and TV System (AGEH-1)	Completed 6/14/74
ANT052-A175 10-007222	Approved 1/14/70 Ser 9-70	Procurement of Critical Spares for AGEH-1	Complete
ABE125-P176 10-006830	Approved 2/2/70 Ser 17-70	Separate Fusing for Two Steering Amplifiers - PCH-1	Complete
ANA024-P177 10-007227	Approved 2/17/70 Ser 16-70	Modification of Steering & Engineering Control Consoles for HIGH POINT (PCH-1)	Completed 8/9/72 Ser 283-72
ABC117-A178 10-006837	Approved 2/27/70 Ser. 18-70	Permanent Intercom System for the Technical Support Party to the Data Acquisition Center (AGEH-1)	Complete
BRA027-A179 10-007227	Approved 3/6/70 Ser 19-70	Refurbishment of the Strain Gages on the Struts of AGEH-1	Complete
BBE124-P180 10-006832	Approved 3/9/70 Ser 21-70	Characterization of PCH-1 While Towing an Underwater Depressor	Complete
BMA022-A181 10-007225	Approved 3/17/70 Ser 26-70; Rev A 1/12/72 Ser 26-72	PLAINVIEW (AGEH-1) Foilborne Hydraulic System, Measurement of Transient Pressure Surges	Completed 3/15/73 Ser 66-73 NSRDC Ltr. 1152:CCR HF-183 1/3/73
BMA023-P182 10-007276	Approved 3/17/70 Ser 27-70	Continuation of Documentation & Reporting on Selection, Application and Performance of Protective Coatings on Foil System and Propellers of PCH-1 HIGH POINT.	Marie Island Report due 6/5/72 Report due 8/1/73
ANT059-P183 10-007130	Approved 3/17/70 Ser. 28-70	Removal of Hydraulically Driven High Pressure Air Compressors and Replacement with a Single Electrically Driven High Pressure Air Compressor	Completed 3/15/73 Ser. 65-73 NSRDC Ltr. 1152:CCR HF-183

Plan & ASDS No.	Issued or Approved	Title	Status
BHY026-P184 10-007106	Approved 4/9/70 Ser 37-70	Installation of Instrumented Shafts on PCH-1	Completed
ABE126-A185 10-006829	Approved 4/7/70 Ser 36-70	Steering and Main Foil Incidence Hydraulic Actuator Shield Installation	Completed
BAN028-A186 10-007228	Approved 4/7/70 Ser 38-70	AGEH-1 Instrumentation Installation, Checkout and Calibration	Completed 5/3/73, 1153:FRS:JB HF-82/5605
		(a) Lear Seigler, Inc. Recording Sta. Manual (b) NAVSHIPS 0976-363-0010 through 0800. (b) Boeing Doc. #0319-60000 PCH & AGEH-1 Instrumentation Operating Procedures & Boeing Data Processing. (c) AGEH-1 Calibration Manual (d) AGEH-1 Measurand List (e) AGEH-1 Transducer Compendium (f) AGEH-1 Measurand Wiring List (g) AGEH-1 Integrated Preventive Maintenance Schedule (h) AGEH-1 Spares Provisioning Manual (i) Boeing Document #D311-60001 HIGH POINT (PCH-1) Compendium & Wiring Diagrams.	
ANA012-H187 10-007272	Approved 4/23/70 Ser 47-70	DENISON Spare Parts Survey	Completed
ABE15AA188 10-006839	Approved 4/24/70 Ser 49-70; Rev A approved 7/13/70 Ser 116-70	Critical Machinery & Auxiliary System Instrumentation Station in Space 2-48-0-Q on AGEH-1.	Complete
ABE142-A189 10-006816	Approved 5/4/70 Ser 53-70	Special Test Equipment - AGEH-1 ACS	Complete
ABE135-P190 10-006821	Approved 5/13/70 Ser. 59-70	Retraction Centering for Steerable Propeller & Foilborne Rudder; Modification to	Completed

Plan & ASDB No.	Issued or Approved	Title	Status
ANW026A-A191 10-U07226	Approved 5/15/70 Ser 66-70; Rev. A Approved 6/5/70 Ser 74-70	AGEH-1 Data Handling Plan: Guidelines for Removal of Defective Hull Plating and Chemically Cleaning and Coating of Voids on HIGH POINT	Completed 4/7/72 Ser 134-72 Document 0319-60000
ABE145-A192 10-U06813	Approved 5/19/70 Ser 68-70	AGEH-1 Main Foil Strain Gage Installation	Completed
ANW044-P193 10-U07117	Approved 5/19/70 Ser 69-70	AGEH-1 Automatic Control System Improvements Related to Craft Behavior	Completed 10/9/74 Ser. 388-74 July 1974 RAY
ABE143-A194 10-U06815	Approved 5/21/70 Ser. 70-70	Machinery Room Neon Fire Extinguishing System Installation (PCH-1)	Completed
ABE140-P195 10-U06816	Approved 5/25/70 Ser 75-70	AGEH-1 Automatic Control Equipment Modifications	Completed
ABE127-A196 10-U06828	Approved 5/28/70 Ser. 76-70	AGEH-1 Structural Inspection	Completed 6/14/74
ABE129-A197 10-U06827	Approved 6/4/70 Ser. 82-70	Installation of Spray Shields on Main Struts	Complete
ANW024-A198 10-U07224	Approved 5/5/70 Ser 85-70	Fabrication of Propellers by the Investment Casting Process	Complete
ANW050-P199 10-U07131	Approved 6/23/70 Ser 103-70	Use of Diesel Fuel (Type II) Vice JP-5 Fuel Aboard AGEH-1	Completed 6/14/74 Ser 236-74
ANW057-A200 10-U07128	Approved 7/2/70 Ser 108-70	Windshield Washer Modification	Complete
ANW062-A201 10-U07133	Approved 7/22/70 Ser 124-70	Speed and Powering Tests with New Torque and Thrust Meter	Completed 9/27/72 Ser 337-72
BNW029-P202 10-U07229	Approved 7/22/70 Ser 123-70; Revised 11/23/70 Ser 232-70		

Plan & ASDB No.	Issued or Approved	Title	Status
WY061-A203 10-007132	Approved 9/17/70 Ser. 173-70	Noise Level Analysis Within PLAINVIEW'S Displacement Engine Room	Cancelled 7/7/71 Ser. 198-71 Superseded by HF074-A242
BE151AA204 10-006808	Approved 10/14/70 Ser 185-70; Rev A approved 12/22/71 Ser. 401-71	AGEH-1 Foil/Strut Alignment Survey	Completed 6/14/74 Ser 236-74
BE130-A205 10-006826	Approved 10/14/70 Ser. 186-70	Standard Post RAV Checkout Dockside and Hullborne	Completed 5/4/73 Ser. 112-73 NSRDC Ltr. 1152:CR HF-183 1/3/73
BE149-A206 10-006809	Approved 10/29/70 Ser 200-70	AGEH-1 Foilborne Accessory Drive Gearbox and Hydraulic Pump Modifications	Completed 6/14/74 Ser 236-74
BE114AA207 10-006840	Approved 11/9/70 Ser 208-70	Install Fuel Tank in Void 3-23-01-V and 3-36-0-V on AGEH-1	Completed
CE015-P208 10-007178	Approved 11/13/70 Ser. 215-70	Radar Cross-Section Patterns PCH-1	Completed
BE156-A209 10-006926	Approved 11/13/70 Ser. 216-70	AGEH-1 Operational Fuel Management Grid	Completed
CNE014-P210 10-007177	Approved 11/17/70 Ser. 227-70	Magnetic Signal PCH-1	Completed
BE131-A211 10-006825	Approved 11/17/70 Ser. 228-70	Standard Post-RAV Foilborne Trials (AGEH)	Completed 5/4/73 Ser. 111-73 NSRDC Letter 1152:CR HF-183 1/3/73
CH068-P212 10-007139	Approved 12/30/70 Ser 268-70	Standard Demonstration Plan for HIGH POINT (PCH-1)	Completed
CNE018AP213 10-007180	Approved 11/23/70 Ser 233-70	Infrared Characteristics - PCH-1	Complete
CNE023-P214 10-007165	Approved 12/17/70 Ser 252-70	PCH-1/Parafoil Compatibility Trial	Completed 8/21/72

Plan & ASDS No.	Issued or Approved	Title	Status
CNE024AP215 20-007186	Approved 12/17/70 Ser. 253-70; Rev. A approved 1/4/71 Ser. 1-71	PCH-1 Collision Avoidance Trials	Completed 9/21/72 Ser. 323-72
ANA027-P216 20-007280	Approved 12/17/70 Ser. 254-70	Vacuum Distillation Removal of Water & Contaminants from Lubrication Oils	Completed 10/18/72 Ser. 354-72
BBE160-P217 10-006930	Approved 12/30/70 Ser. 263-70	PCH-1 1971 Rough Water Trials	Completed 11/14/72 Ser. 381-72 Boeing Ltr 2-1506-1000-637 under task 72-034P per O'Reilly 1153:WJW RF-151 25 Oct 1972 Completed 6/15/73 Ser. 136-73
ABE162-P218 10-006932	Approved 12/30/70 Ser. 262-70	PCH-1 Mission Endurance & Reliability Evaluation	"Final Report on Hydrofoil Special Trials Unit Plan BE162- P218 PCH-1; Mission Endurance & Reliability," Cover letter Ser. 11-73 5/15/73.
CBE164-P219 20-006934	Approved 12/30/70 Ser 265-70	Transit - Human Factors (San Diego Transit)	Completed 5/17/74 - Ser 181-74 Report 27-551, "Human Factors Evaluation of a Hydrofoil During Extended Transit & Exercise Operations" by Edmondo, 10/73
CBE165-P220 20-006935	Approved 12/30/70 Ser. 254-70	Helicopter Medical Evacuation Trial Plan	Complete
CBE167-P221 10-006937	Approved 12/30/70 Ser. 261-70	PCH-1 Remote Operation Evaluation	Completed 6/11/73 Ser. 135-73 "Final Report on RRSIU Plan BE167P221-PCH-1: Remote Operation Evaluation Plan" Cover Ltr. Ser. 10-73 5/14/73.
CBE168-P222 20-006938	Approved 12/30/70 Ser. 259-70	PCH-1 Navigation Evaluation Plan	Complete

Plan & ASDB No.	Issued or Approved	Title	Status
CNE022AP223 10-007184	Approved 12/30/70 Ser. 260-70	PCH-1 Comparative Seakeeping Trials	Complete
CBE166-P224 10-006936	Approved 12/30/70 Ser. 266-70	PCH-1 Search and Rescue Doctrine/ Procedures	Canceled per HHSSTU Letter Ser. 96-71 4/27/71
CNE025-P225 10-007187	Approved 1/20/71	IUM/Parafoil Operation	Completed (NE023-P214 included) Ser. 245-72 7/17/72
CHE026-P226 10-007188	Approved 2/3/71 Ser. 27-71	PCH-1 COMPTUEX 1-71 Trials	Completed 2/8/73 Ser. 41-73
BNR030AA227 10-007230	Approved 11/22/71 Rev. Ser 368-71	AGEH-1 Calm Water Foil Load Characteristics (Part A)	Cancelled 10/2/78
CNE027-P228 10-007184	Approved 2/16/71 Ser. 39-71	PCH-1 Replenishment at Sea	Completed 2/8/73 Ser. 42-73
ABE134-P229 10-006822	Approved 2/18/71 Ser. 41-71	Tactical Display System Exercise PCH-1	Complete
ANE028-P230 10-008728		PCH-1 Exercise ADMIXTURE Trials (U)	Completed 2/8/73 Ser. 43-73
BNR031-A231 10-007231	2/26/71	AGEH-1 Preliminary Vibration Trial (Foilborne)	Completed 11/5/74 Ser. 384-74 NSRDC Report SAD-79E-1966 April 1974
BNR032-A232		Pending approval - plan number not issued	Cancelled 5/18/72 Ser: 192-72
ABE170AA233 10-006939	Approved 5/7/71 Ser. 102-71	AGEH-1 Calibration of Single Idler Gearbox Torque Indicating Devices	Complete Ser 236-74 6/14/74 2-1506-1000-314 6/1/71 and 2-1524-1000-841 1/30/73
ABE148-A234 10-006810	Approved 5/7/71 Ser. 103-71	AGEH-1 Hydraulic System Filter Modifications	Cancelled 10/2/78

Plan & ASDB No.	Issued or Approved	Title	Status
ABE176-P235 10-U06944	Approved 7/7/71 Ser. 199-71	PCH-1 Fueling VERTREP with CH-46	Complete
ABE177-T236 10-U06945	Approved 7/8/71 Ser. 202-71	TUCUMCARI (PGH-2) POIC Familiarization Briefing in Ship Arrangement Operation and Logistics Support	Complete
AHY071-P237 10-U07141	Approved 6/30/71 Ser. 192-71	Electric Starter for Hydraulic Solar Gas Turbine, HIGH POINT (PCH-1)	Completed 5/14/74 Ser. 161-74 No official report issued.
AHY072-A238 10-U07142	Approved 7/8/71 Ser. 203-71	AGEH-1 Main Power Transmission System Modification	Completed 6/14/74
BIN033-P239 10-U07233	Approved 7/19/71 Ser 215-71	Determination of PCH-1 Hullborne Seakeeping Characteristics	Completed TN-P-19
AHY073-A240 10-U07143	Approved 7/19/71 Ser 216-71	PLAINVIEW AGEH-1 Electric Power Plant	Completed 6/14/74 236-71
BSE132-A241 10-U06824	Approved 8/2/71 Ser 230-71 Rev. A 1/18/72 Ser 29-72	AGEH-1 Smooth Water Foilborne Characteristics - Phase II (AGEH-1)	Completed 6/14/74
AHY074-A242 10-U07144	Approved 8/13/71 Ser 245-71	PLAINVIEW (AGEH-1) Airborne Noise Level Analysis	Completed 10/13/72 Ser 352-72
ABE178AA243 10-U06946	Approved 8/24/71 Ser 257-71	AGEH-1 Hydraulic System Integrity Inspection and Oil Contaminated Monitoring	Canceled 10/9/74 Ser. 359-74
ABE155-A244 10-U06925	Approved 8/31/71	INSTALLATION OF Wave Height Measuring Instrumentation on AGEH-1 PLAINVIEW	Canceled 10/9/74 Ser. 360-74
ABE154-A245 10-U06924	Approved 9/2/71 Ser 278-71	AGEH-1 Installation of Draft Gages	Canceled 10/18/74 Ser. 367-74

Plan & ASDS No.	Issued or Approved	Title	Status
ABE174-A246 10-006942	Approved 9/2/71 Ser. 279-71	AGEH-1 Bow Thruster Design & Installation	Cancelled. Lack of funds.
ANA030-A247 10-007282	Approved 9/20/71 Ser. 297-71	Inspection of Bevel Gears PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser. 236-74 TN-A-17, 2-1524-1000-1349 10/23/74
ABE178-A248 10-006820	Approved 10/1/71 Ser. 320-71	Hull Impact Characteristics - AGEH-1	Completed 11/5/74 Ser. 386-74 AGEH-1 Technical Note TN-A-17
ABE179-A249 10-006947	Approved 11/2/71	AGEH-1 Main Foil Incidence Locking Mechanism for Strut Extension and Retraction	Cancelled 10/9/74 Ser. 361-74
ABE175-P250 10-006943	Approved 11/17/71 Ser. 362-71	PCH-1 Radar/Navigation System Modifications and Documentation Updating	Cancelled; superseded by BE189-P259 2/11/72 Ser 60-72
ANA020-A251 10-007274	Approved 11/22/71 Ser. 370-71	PLAINVIEW AGEH-1 Improved Fire Fighting System	Completed 6/14/74 Ser 236-74
CNW034-A252 10-007234	Approved 11/22/71 Ser 371-71	PLAINVIEW/Torpedo Compatibility Evaluation Phase 1	Completed 8/21/72 Ser 325-72
AWY069-A253 10-007140	Approved 11/24/71 Ser. 375-71	Ship Service Switchboard Modification for Split Plan Operation - PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser 236-74
BNW037AA254 10-007237	Approved 11/30/71 Ser 381-71	PLAINVIEW (AGEH-1) Hullborne Rough Water Motion Characteristics	Ltr 2-1524-1000-98E, 6/8/73 notes trials 25% completed and remainder not worth pursuing. Cancelled 10/27/88.
CNW035-A255 10-007235	Approved 12/3/71 Ser 384-71; Rev A Approved 6/8/72 Ser 215-72	PLAINVIEW (AGEH-1) Magnetic/Acoustic Signatures	Complete NSWC, White Oak, report NOLTR 72-52, "Magnetic Signatures Analysis of the Hydrofoil AGEH-1 (U)" 2/11/72, Conf. report. Acoustic part of trials Cancelled.

Plan & ASDB No.	Issued or Approved	Title	Status
BBE181-A256 10-006939	Approved 12/16/71 Ser 394-71	Dynamic Characterization Readiness, AGEH-1	Completed 5/15/74 Ser. 164-74 Tech Note TN-A-72, Trials Report on Dynamic Characterization Readiness" 2-1524-1000-1005 6/22/74.
ABE183-1257 10-006950	Approved 12/27/71 Ser. 413-71	AGEH Automatic Control System Emergency Battery Installation.	Complete
ABE186AA258 10-006953	Approved 12/27/71 Ser. 414-71	AGEH-1 Radar Display System Improvement	Complete
ABE189-P259 10-006956	Approved 2/11/72 SER. 59-72	PCH-1 Radar/Navigation System Overhaul and Digital Navigation Computer Installation	Complete
ANW036AA260 10-007236	Approved 3/31/72 Ser. 125-72	Pressure Measurements - AGEH-1	Completed 6/8/74 SER. 236-74 Secret Final Report SER. 190-73.
ABE185-P261 10-006952	Approved 3/22/72 Ser. 109-72	Revised PCH-1 Data Systems Documentation	Completed 1/10/73 Ser. 10-73
CHY076-A262 10-007146	Approved 3/24/72 Ser. 114-72	DE735 Fathometer and 3-D Pinger Installation	Completed 8/31/73 Ser. 214-73 NSRDC Letter 1152:CRR HF-183 1-3/73
ABE191-P263 10-006958	Approved 3/29/72 Ser. 119-72	Replacement of Speed Indicator/Transmitter on PCH-1	Completed 8/31/73 Ser. 215-73 NSRDC Ltr. 1152:CRR HF-183 1-3-73
BBE188-A264 10-006955	Approved 4/28/72 Ser. 166-72	AGEH-1 Hullborne Outdrive and Steering Modifications	Canceled
BBE187-A265 10-006954	Approved 5/18/72 Ser. 190-72	AGEH-1 Forward Foil Incidence Linkage Compliance Measurement	Canceled 6/14/74 Ser 236-74
AHY075-A266 10-007145	Approved 6/30/72 Ser 216-72	PLAINVIEW (AGEH-1) Main Strut Rewiring and Strut Foil Strain Gaging	Completed 3/24/75 Ser. 95-75 NSRDC Advanced Hydrofoil Program Procedure for Trial Planning, Approving, and Reporting 9/3/74.

Plan & ASDB No.	Issued or Approved Ser	Title	Status
CHW039AA267 10-007238	Approved 6/8/72 Ser 214-72	Investigation of Techniques to Measure Radiated Noise Underwater Noise of Hydrofoils Using PLAINVIEW (AGEH-1)	Complete 5/16/74 Ser. 167-74 Classified Report from Bolt Beranek and Newman Inc., "Underwater Radiated Noise Signature of Hydro- foil PLAINVIEW (AGEH-1)" Report No. 2504 March 1973.
AHY080-P268 10-007150	Approved 6/30/72 Ser 238-72	Design and Installation of Closed Circuit TV Monitoring System for HIGH POINT (PCH-1)	Complete 6/14/74 Ser. 172-74 5/16/74 - Letter 2-1524-1000- 1207 March 1974.
AHY082-A269 10-007152	Approved 7/21/72 Ser 255-72	Forced Ventilation of Folloborne Propellers on PLAINVIEW (AGEH-1)	Complete HYSTU Ltr 1154:SEN.v1d 10/30/72
AHY077-A270 10-007147	Approved 7/14/72 Ser 252-72	Replacement of Speed Sensing Indicator System on PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser 236-74
ABE203-P271 10-006965	Approved 8/9/72 Ser 278-72	Additional Tasks for PCH-1 Digital Navigation Computer	Complete
CHW040AA272 10-007239	Approved 10/3/72 Ser 341-72	Sea Sparrow/Hydrofoil Compatibility Evaluation Aboard PLAINVIEW (AGEH-1)	Completed 11/5/74 Ser 387-74 NSWSES, Port Hueneue Report TR276 6/1/73
BBE152BA273 10-006922	Approved 8/23/72 Ser 288-72 Rev. 10/10/72 Ser 357-72	Pre-Rough Water Readiness Trial - PLAINVIEW (AGEH-1)	Completed 5/16/74 Ser 173-74 Letter 2-1524-1000-1190 3/5/74 (Phase V) AGEH-1 Rough Water Speed-Power Data"
AHY078-A274 10-007148	Approved 8/23/72 Ser 289-72	Design and Installation of Permanent Strut Spray Fences on PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser 236-74
AHY085-A275 10-007154	Approved 8/23/72 Ser 290-72	Smoke Abatement for PLAINVIEW (AGEH-1) LM 1500 Gas Turbine Engines	Completed 6/14/74 Ser 236-74
AHY079AA276 10-007149	Approved 8/21/72 Ser 319-72	Design, Fabrication and Installation of Lengthened/Strengthened Tail Strut on PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser 236-74

Plan & ASDB No.	Issued or Approved	Title	Status
BRW041-H277 10-U07240	Approved 10/3/72 Ser 342-72	Definition and Demonstration of Interface Between Hydrofoil Digital Autopilot (HUDAP) and PCH-1 and AGEH-1	Cancelled 11/6/74 Ser. 378-74
AHY081-A278 10-U07151	Approved 10/3/72 Ser 340-72	Design, Fabrication and Installation of PLAINVIEW (AGEH-1) Hydraulic System	Cancelled 10/18/74 - Ser. 368-74
BBE199AA279 10-U06961	Approved 11/2/72 Ser 372-72	AGEH-1 Phase 1 Rough Water Trials	Completed 5/15/74 Ser 168-74 Tech Note TN-A-16, "Results of Rough Water Trials (Ph. 1)" 2-1524-1000-1182 2-26-74.
AHY088-H280 10-U07157	Approved 10/25/72 Ser 363-72	Electro-Magnetic Log Calibration with Doppler Radar	Completed 6/14/74 Ser 236-74
AHY086AA281 10-U07155	Approved 11/1/72 Ser 365-72	Waste Destruction System on Hydrofoils	Revised 2/14/74. Ser 58-74. Cancelled 10/2/78.
ABCBE202-A282 10-U06964	Approved 11/17/72 Ser 388-72	PLAINVIEW (AGEH-1) Integrated Trials Program	Cancelled 6/14/74 Ser 236-74
BRW044-H283 10-U07242	Approved 12/27/72 Ser 412-72	Evaluation of Height Sensors in Sea Sparrow Missile Environment	Complete. Boeing 2-1524-1000-949
ABC208-P284 10-U06968	Approved 1/18/73 Ser 20-73	PCH-1 400 Hz Converter Installation Modification	Completed 6/14/74 Ser 236-74
BBE206-A285 10-U06967	Approved 1/31/73 Ser 26-73	51x-Degree-of-Freedom Digital Simulation of the Foilborne AGEH-1	Completed 5/15/74 - Ser. 163-74 Document D319-515(0), "Equations for & Results from the Digital Simulation of the Foilborne AGEH-1," 1/22/74.
BBE133AA286 10-U06823	Approved 2/26/73 Ser 49-73	PLAINVIEW Foilborne Operational and Emergency Trial Procedures	Completed 5/4/73 Ser 110-73 NSRDC Letter 1152:CCR HF-183 1-3-73 TN-A-9 Transmitted by Ltr 2-1524-1000-1248, 4/29/74

Plan & ASDB No.	Issued or Approved	Title	Status
BBE193-P287 10-U06960	Approved 3/13/73 Ser 59-73	PCH-1 Std. Post "Layup" Docksde, Hullborne and Foilborne Checkout	Completed 6/14/74 Ser 236-74
AHY087-A268 10-U07156	Approved 4/2/73 Ser 75-73	Flap Control System for PLAINVIEW (AGEH-1)	Completed 6/14/74 Ser 236-74
BNW046-P289 10-U07244	Approved 4/2/73 Ser 77-73	Mod 1 Ventil Propeller Tests	Cancelled. See Plan No. BNW050BP297
BNW042BP290 10-U07241	Approved 4/6/73 Ser 80-73	PCH-1 Mod 1 Smooth Water Characterization	Complete Per Ltr 2-1524-1000-1223 1000-1248 4/29/74. Replaced with NYSTU Op Proc 3960.2 per Ser 134-76 (7/12/76)
ABE212AP291 10-U06972	Approved 4/11/73 Ser 87-73	Weight and Moment Updating & Recording Procedures - PCH-1 Mod 1	Closed out 10/8/74
ABE211-A292 10-U06970	Approved 4/23/73 Ser 96-73	AGEH-1 Instrumentation System Air Conditioner Modifications	Completed 6/14/74 Ser 236-74
ABE153BA293 10-U06923	Approved 5/18/73 Ser 118-73	AGEH-1 Automatic Control System Modifications	Cancelled
BNW049-P294 10-U07245	Approved 6/4/73 Ser 131-73	PCH-1 Mod 1 Calm Water Structural Tests	Completed 11/22/74 Ser. 394-74 Reports to be made in Final Report
ABE2134A295 10-U06972	Approved 6/11/73 Ser 133-73	AGEH-1 Salt Water Machinery Circulating & Cooling System Overhaul & Modification	Completed 6/14/74 Ser 236-74
ABE209BA296 10-U06969	Approved 6/8/73 Rev A approved Rev B 11/12/74	AGEH-1 Standard Post "Layup" Docksde Hullborne & Foilborne Checkout	Cancelled, as noted in Ser Ser 238-75 10/15/75. In-std. in operating procedure 4711.1
BNW050BP297 10-U07246	Approved 6/20/73 Ser 143-73; Rev A 12/4/74; Rev B 3/3/75	Feasibility of PCH-1 Mod 1 Propeller Ventilation	Complete. DTNSRDC report SPD 264-11 by Hecker to be released Nov. 1978

Plan & ASTB No.	Issued or Approved	Title	Status
ABE214AA298 20-006973	Approved 6/20/73 Ser 145-73	AGEH-1 Potable Water System Overhaul and Modifications	Completed 6/16/74 Ser 236-74
CME030AP299 20-C01226		HIGH POINT - EA-38/EC-121 ASMD Trials Confid R/S #C22-73 #C63-73	Canceled 10/9/74 Ser. 357-74
CME029-F300 20-007191 C01227	7/17/73 Ser.166-73	HIGH POINT DD/OS PENAO Trials Confidential	Completed 4/21/75, Ser: 114-75 Classified Report TM 2856, 11/20/74. "EW Penetration Aids In-Surface Warfare - A report of EW equipment trials and demonstrations conducted on board USS HIGH POINT (PCH-1) during July-August 1973 (U)"
AMA034AP301 20-007286	Approved 8/21/73 Ser 203-73	Machinery and Airborne Noise Characterization of PCH-1, Mod 1	Complete -
BRM051AP302 20-007247	Approved 8/17/73 Rev. A approved 11/19/73 Ser. 281-73	HARPOON Height Sensor Compatibility Evaluation	Complete. Boeing report 2-1524- 1000-1192 (ASDB # 10-110029). Some results also in report Soc AHY104-H341.
AKY051-4303 20-007159	Approved 9/20/73 Ser 222-73	Coating System Studies for the Corrosion Protection of HY130 Steel	Complete. DTNSRDC Memo 75-085, J. Kelley 6/75 (10-006617)

Plan & ASOS No.	Issued or Approved	Title	Status
ABE2158P304 10-U06974	Approved 10/1/73 Ser 236-73	PCH-1 ACS Configuration Log	Revised plan approved 9/24/73 Ser. 236-73 - Active
CMK045-P305 10-U07243	Approved 11/9/73 Ser 279-73	HARPOON Canister Launcher Evaluation & Interface Investigation Aboard HIGH POINT (PCH-1)	Completed 11/11/74 - Ser 386-74 - HIGH POINT letter 13010 Ser 7-74 of 1/30/74, HARPOON Narrative Report, NSWSES Report TR 299 Pay 1974, D/S 605 Phase IV Tech. Evaluation Canister HARPOON Weapon System, McDonnell-Douglas Report MCD 561-E451-1190 of 6/19/74, Boeing Letter report of Ship Behavior and Structural Effects 2-1524-1000-1190 of 3/8/74.
CMK055P306 10-U07250	Approved 11/28/73 Rev. 2/6/74 Ser 52-74; Rev. 6/3/74 Ser. 115-74	Evaluation of Hydrofoil Digital Autopilot (HUDAP) on PCH-1 Mod 1.	Completed 11/11/74, Ser. 387-74 Charles Stark Draper Lab Report R817 of May 1974.
ABE192-P307 10-U06959	Approved 11/29/73 Ser 292-73	PCH-1 Mod 1 Digital Navigation System Evaluation	Completed 11/5/74 - Ser 385-74 - Letter Report 2-1524-1000-1319 dated 9/24/74
CMK056-P308 10-U07251	Approved 12/10/73 Ser 295-73	SMA 3RM20 Radar Evaluation Aboard HIGH POINT in Support of PHM Program	Complete. DTNSRDC TR-500-115-06, March 1975
CMK058-P309 10-U07252	Approved 1/7/74 Ser. 19-74	HIGH POINT (PCH-1) Multiple Influence Measurements	Complete.
CMK0548P310 10-U07249	Approved 1/17/74 Ser. 36-74 Rev. 1/22/74 Ser. 38-74	Rough Water Trials PCH-1 MOD 1 Rev. B	Completed 4/22/75 - Trials Plan ANW067-P331 Ser. 115-75

Plan & ASDB No.	Issued or Approved	Title	Status
BSE159-A311 10-U-06929	2/3/72	AGEH-1 Hullborne Characteristics	Complete 2/26/74 - Ser 78-74; Boeing Letter 2-1524-1000-920 3/29/73
CNA052-P312 10-U-07248	3/21/74	Low Light Level Television Trials Aboard the HIGH POINT	Cancelled 10/6/75 Trials Bd. Mtg. Results of trials in 1154. "RE:rid. Ser 191-74. 5/22/74
CNA059-P313 10-U-07253	Approved 5/1/74 Ser. 135-74	PCH-1 Mod 1 Underwater Radiated Noise Measurement	Completed 4/21/75. Ser. 113-76. Class- ified report TM-221, 12/15/74. Hydro- foil HIGH POINT (PCH-1) Radiated Noise Signature and Tactical Considerations (U).
CHY095-P314 10-C-00716	5/28/74 Approved 6/18/74 Ser. 235-74	Advanced Prototyping Program Test Plan for Small Craft Fire Control System (U) Confidential	Completed. NSR (Balance, Rev 1 Conf, report check). "Versatile Electronic Optical System Evaluation Summary" 14 Jan '76, and TM-155, 11/76, and 12-491 (Conf. report code 107). 5/76.
CHY094-P315 10-U-07162	Approved 7/9/74 Ser. 261-74	Advanced Craft Flight Recorder System HIGH POINT (PCH-1);	Complete 3/24/75 - Ser 95-75 - MSROC HYSIU, "Technical Memoranda (Final) Report) Advanced Craft Flight Recorder System HIGH POINT (PCH-1) January 1975 by James W. Mason" Letter Ser 19-75 2/5/75.
CHY089-H316 10-U-07158	Approved 7/9/74 Ser 262-74	Underway Replenishment Station Keeping with Electronic Devices	Complete.
BME060-P317 10-U-07254	Approved 7/17/74 Ser 271-74; Rev.A 12/4/4 on Hullborne Motion Rev: B 1/2/75	HUDMAP Tests - Effect of Varying Gains	Cancelled 10/2/78
ANE034-P318 10-U-07194	Approved 7/18/74 Ser 272-74	FLIR Installation Aboard the Hydrofoil HIGH POINT	Complete.
ANE036-P319 10-U-07195	Approved 7/18/74 Ser 273-74	HIGH POINT EW Trials. Instl. Plan	Complete.
CME031-P320 10-C-01223	7/25/74	Triple S/HIGH POINT RBOC Trials Conf.	Cancelled 10/9/74 - Ser. 351-74

Plan & ASDB No.	Issued or Approved	Title	Status
CNE032-P321 10-C01224	7/25/74	HARPOON (Mod 2) Seeker/HIGH POINT RBOC Trials (U) Confidential	RBOC portion complete. Further trials cancelled 10/2/78. Report expense not warranted.
CNE033-P322 10-C01225	7/25/74	HIGH POINT RBOC/ASMD Trials (EC-121/F-4 & A-4 Aircraft) (U) Confidential	Cancelled. NYSTU ltr. 1154.1: Mkt:shy, Ser 351-74 10/8/74
BNA051-P323 10-U07255	Issued 5/30/74 Approved 7/22/74 Ser 279-74	PCH/PGH/Other Craft Comparative Seakeeping	Cancelled - Ser. 397-74 11/29/74
BNA062-P324 10-U07256	Approved 7/26/74 Ser 285-74	Movies of PCH-1 MOD 1 in Structural Maneuvers	Cancelled - Ser. 393-74 11/22/74
BHY093-H325 10-U07161	Approved 8/23/74 Ser 309-74	Sundstrand AHY-6 Radar Altimeter - Height Sensor Evaluation on Hydrofoils	Complete. NYSTU memo 1154.4 VIII: via, 2/5/76 "Eval. of the Radar Height Sensor." Results incl. in NYR04-H324 rept. and NYLC-056-7/N 2960, 5/19/75
BNA035AP326 10-U0078	Approved 9/6/74 Ser 327-74	Test Plan Evaluation of Exterior Strut/ Foils Coatings on HIGH POINT (PCH-1)	Active - Rev. "A" 2/28/75
AWU063-P327 10-U07257	Approved 9/6/74 Ser 328-74	PCH-1 MOD 1 Structural Instrumentation	Complete: Ser 157-75 6/15/75 and 225-75 9/26/75
BNA064-P328 10-U07258	Approved 9/16/74 Ser 335-74: Rev A 12/4/74; Rev B 1/16/75	Evaluation of September 1974 Hydrofoil Digital Autopilot (HUDAP) Configuration on PCH-1 MOD 1	Complete. No report; check out only.
AWU065-P329 10-U07259	Approved 12/4/74	PCH-1 MOD 1 Flap Effectiveness - Static, Dynamic, During Maneuvers and Following Broaching	Cancelled 10/2/78
AWU066-P330 10-U07260	Approved 12/4/74	Base Line PCH MOD 1 Smooth Water Speed and Powering	Complete. Boeing ltr. 2-1524-1000-1537, 8/1/75
AWU067-P331 10-U07261	12/9/74	PCH-1 1975 Rough Water Trials	Complete. Report due 07NSRDC Code 1151 and Code 1730.3.

Plan 6 ASDB No.	Issued	Title	Status
B9E223-P332 10-U09849	3/31/75	Technical Evaluation of PCH-1 During USCG Operation	Complete, Ser 157-75 6/16/75 and 225-75 9/26/75.
BHY097-P333 10-U09850	7/29/75	Evaluation of TANCAV System in Conjunction with HIGH POINT (PCH-1) Navigation Computer	Trial Complete. Lit Ser 0, Ser 63-75. Lit Ser 47-76, 10/76 (ASDB #s 10-U07478 & 10-U0812, respectively).
AMW076-P334 10-U09837	1/15/76	PCH-1 Forward Foul Cavitation (ACR) Evaluation	Active, Trial Complete, Report Due Cancelled 10/21/78.
BHY098-P335 10-U09832	12/26/75	Rockwell International Anti-Clutter Radar System	Cancelled
AMW077-P336 10-U09833	7/1/76	High Speed Velocity Log Intermediate Speed Feasibility Demonstration	Complete, NADC Report NADC-78114-40 6/15/78.
ANAG42-A337 10-U1004	6/18/76	Seawater reverse osmosis desalination system, test of.	Cancelled. Refer to Ser 159-76. 9/13/76
AHY101-P338 10-U10075	11/11/76	Effect of Coating Roughness on Performance	Deferred
AHY102-P339	?	PCH-1 Ship Standardization and Tactical Trials	Cancelled 10/21/78.
ANAO44-A340	1/26/77	Vibration Monitoring Systems for Large Hydrofoils	Complete
10-U10076			
AHY104-H341 10-U10077	3/22/77	T.R.T.-AHV-20 Radar Altimeter	DTNSRDC Code 1154.4 to prepare report with data from BNW051AP302 and BHY093-K325
AMW071-A342 10-U09834	3/16/77	AGEH Calm Water Operating Characteristics	Cancelled
BHY074-H343 10-U09835	4/20/77	Experimental Determination of Array Survival Loads	Trial Complete, No report planned by NUSC 3373.
BHY103-P344 10-U09836	1/24/78	HS1001 VDS Trials	Active

**ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM  
DOCUMENTATION REVIEW**

**ATTACHMENT-2 WTA LISTING FROM 1975**

WTA No.	Entered on Approved List	Transmittal	Subject	Author
1 608-75-001A		1/30/75	PLAINVIEW (AGCH-1) Main Bearing Plate Repair	
2 608-75-002P			PCII-1 Mod 1 Serv/Toll Information	
3 608-75-003P		2/20/75	Senex VCO Driver and 17 VCO's	E. Ulrich
4 608-75-004A		2/20/75	AGCH-1 Electro-Hydraulic Servo Valves	D. Sorenson
5 608-75-005P		2/20/75	Survey and Replacement Recommendations for Nacelle and Systems Bolts, PCII-1	D. Sorenson
6 Boeing-75-006P		3/5/75	PCII-1 Std Nacelle/Strut Stud Vibrations Data During Transmission	D. Sorenson
7 608-75-007A		3/10/75	History of Hydrotail Foreign Object Impacts	D. Sorenson
8 608-75-008P		3/10/75	Obtain "Wave Rider" Buoy to Support PCII-1 Design Water Trials	D. Blanchard
9 Boeing-75-009P		3/20/75	Engineering Assistance for PCII-1 Navigation System	D. Sorenson
10 Boeing-75-010P		3/20/75	Follow-on Work Required for PCII-1 Nacelle/Tire Strut Structural Data	D. Sorenson
11 Boeing-75-011P		4/1/75	PCII-1 Nacelle/Strut Bush Repair/Modification Recommendations	D. Sorenson
12 Boeing-75-012 P		4/1/75	Feasibility of Using a Different Hydraulics Fluid on PCII-1	D. Sorenson
13 Boeing-75-013P		4/1/75	Engineering Assistance Required for AGCH-1	D. Sorenson
14 1107-75-014A		4/13/75	AGCH-1 Ship Plan Holder (SHP) Updating	D. Sorenson
15 1107-75-015A		4/22/75	HUDAP Installation Support on PLAINVIEW	A. A. Ashe
16 Boeing-75-016A		4/22/75	Engineering Assistance Required for AGCH-1 Structural Log	D. Sorenson
17 1107-75-017A		4/23/75	Engineering Assistance Required for AGCH-1	D. Sorenson
18 1107-75-018P		4/27/75	Blocking of PCII-1 P/B Strut Trailing Edge Fairing Voids with Polyurethane Foam	D. Sorenson
19 1107-75-019P		4/27/75	Inspecting and Repair of PCII-1 Upper Level Gasholes	D. Sorenson
20 1107-75-020P		4/27/75	Instrumentation Engineering Assistance Required for PCII-1	D. Blanchard
21 1107-75-021A		4/27/75	AGCH-1 Instrumentation Service	D. Blanchard
22 1107-75-022P		4/30/75	PCII-1 At: Pod Ventilated/Corrosion Corrections Reporting	A. H. Ross
23 1107-75-023P		4/30/75	Engineering Report of METU Servo/Updated PCII-1 Components and Wings	D. Blanchard

No.	WTA No.	Trans- mittal	Entered on Approved List	Subject	Author
24	1107-75-024P	7/10/75	7/14/75	Plot Existing Real Time PCH-1 Speed and Power Information	D. Blanchard
25	1107-75-025P	7/14/75	7/16/75	PCH-1 Turbine Discrict Coupling Alignment, Tooth Wear Patterns and Associated Structure Inspections and Record Documentation	D. Sorenson
26	1107-75-026P	7/14/75	7/18/75	PCH-1 Air Nozzle/Strut Stub Inspection and Repair	W. Youngstrom
27	1107-75-027P	7/14/75	7/18/75	Digital Fuel Flow Readings at DCC	D. Blanchard
28	1107-75-028P	7/14/75	7/24/75	Obtain and Design Installation for 8-Step-8-to-DG Converters for PCH-1 Instruments/Gen	D. Blanchard
29	1107-75-029P	7/23/75	7/25/75	Engineering Support Required for PCH-1 July-August 1975 TAV	D. Sorenson
30	1107-75-030P	7/11/75	8/7/75	Provide New and Separate Source for 20 VDC Needed for Instrumentation Central Function on PCH-1	D. Blanchard
31	1107-75-031A Rev A	8/4/75	8/7/75	Main Strut Down Lock Assembly Alignment Investigation	D. Sorenson
		11/24/75	11/26/75	Main Strut Down Lock Assembly Alignment and Realign- ment	D. Sorenson
32	1107-75-032A	8/12/75	9/22/75	Restablishment of the Barge System on AGER-1	D. Sorenson
33	1107-75-033P	9/26/75	9/29/75	HIGH POINT ACS Operation Discrepancy Correction	J. Gobauer
34	1107-75-034P	9/30/75	10/1/75	Evaluate Venturi Prop Tests to Date (Ref NW060-PI07)	A. H. Reed
35	1107-75-035P	9/30/75	10/1/75	Analysis and Repair Support for Failed Forward Strut/rod Shaft	A. H. Reed
36	1107-75-036P	10/7/75	10/10/75	PCH-1 Air Trip Pressure Transducer Relocation	D. Sorenson
37	1107-75-037P	10/16/75	10/24/75	Provisions for Installing Wave Height Instrumentation on PCH-1 for Rough Water Trials - Nov. 1975	D. Blanchard
38			-038		
39			-039		
40			-040		
41			-041		
42			-042		
43			-043		
44	1107-75-044A	11/21/75	11/24/75	Test of AGER-1 170 Transmission Lines on System Electric Driven Pump	D. Sorenson

No.	WTA No.	Trans. Email	Entered on Approved List	Subject	Author
45		-043		Overview of AGCH-1 Maintenance Tasks Section (2)	D. Blanchard
46	1107-75-47A	11/24/75	11/24/75	Test Crew Intercom for AGCH-1	D. Blanchard
47	1107-75-48A	11/25/75	11/26/75	Onboard Calibration of AGCH-1 Hydraulics Transducers and RUDAP Data Channels	D. Blanchard
48	1107-75-39A	11/25/75	11/26/75	AGCH-1 Instrumentation Cable Installation and Repair of Unused Cables	D. Blanchard
49	1107-75-50A	11/26/75	11/26/75	Update and Maintain AGCH-1 Instrumentation Documentation D. Blanchard	D. Blanchard
50	1107-75-051A		11/26/75	1.e., Wiring Diagrams, Measured Lst., and Component AGCH-1 'Cohiborne Transmisional Starting Brake Modifications D. Blanchard	D. Blanchard
51	1107-75-052A		11/25/75		
52	1107-75-001				
53	1107-75-002				
54	1107-75-003				
55	1107-75-004A		11/21/76	Provide all Engineering and Technical Support for Strain Gauge AGCH-1 Main Hull Center Section	
56	1107-75-005A		11/23/76	Instrumentation Engineering Assistance for AGCH-1 jobs of 8 Hours or Less	
57	1107-75-006A		4/2/76	PLAINVIEW (AGCH-1) Torque and Thrust Meter Wiring and Strain Monitors and Signal	
58	1107-75-007A		4/2/76	PLAINVIEW (AGCH-1) Instrumentation System Operation (120)	
59	1107-75-008A		4/2/76	PLAINVIEW (AGCH-1) Forward Strain/Torque Strain Gauge Report and Installation	
60	1107-75-009A		4/2/76	PLAINVIEW (AGCH-1) Air Strain Gauge Installation	
61	1107-75-010A		4/7/76	PLAINVIEW (AGCH-1) Calibration of Strain Gauge Installation, J. Mann	
62	1107-75-011A		9/21/76	PLAINVIEW (AGCH-1) Calibration of Strain Gauge Installation, D. Standard Revised	
63	1107-75-012A			PLAINVIEW (AGCH-1) Removal of Strain Table and Adjustment J. Mann	
64	1107-75-013A			PLAINVIEW (AGCH-1) Removal of Strain Table and Adjustment J. Mann	

No.	WTA No.	Entered on Approved List	Transmittal	Subject	Author
65	1107-76-013				
66	1107-76-014				
67	1107-76-015A Rev A	7/20/76	7/21/76	PLAINVIEW Automatic Control System (PACS) Test Input Box Modifications	J. Colman S. Arnes
68	1107-76-016	8/18/76	8/13/76	HUDMAP Installation Support on PLANTVIEW	D. Round
69	1107-76-017P	7/22/76	7/22/76	PCH-1 Nacelle Bolt Failure and Inspection Requirements of Replacement Bolts	S. Arnes
70	1107-76-018	8/26/76	8/24/76	HIGH POINT (PCH-1); Instrumentation Measurement Survey	S. Arnes
71	1107-76-019	8/12/76	8/26/76	Recalibration and Updating of the AGCH-1 Hydrostatic Characteristics	D. Round
72	1107-76-020P	8/23/76	8/26/76	Overhaul and Repair of DYNASDOC Sengane Tape Recorder	D. Blanchard
73	1107-76-021A	8/20/76	8/21/76	PLAINVIEW (AGCH-1) Test Crew Intercommunication System Survey and Evaluation	D. Blanchard
74	1107-76-022A		10/7/76	PLAINVIEW (AGCH-1) Mine Pump Case Drift	S. Arnes (A. Rand)
75	1107-76-023P	10/4/76	10/7/76	PCH-1 Nacelle Strut Stub Failure Analysis	A. H. Rand
76	1107-77-001P		1/4/77	HIGH POINT (PCH-1) Port Nacelle Transparency Report	L. Tedesco
77	1107-77-002P		1/24/77	HIGH POINT (PCH-1) Headrest Hold Repair	L. Tedesco
78	1107-77-003				
79	1107-77-004			PLAINVIEW (AGCH-1) Tape Recorder Adjustment	S. Arnes
80	1107-77-005A		2/10/77	Westinghouse Flight Recorder Installation PLANTVIEW	S. Arnes
81	1107-77-006A		4/4/77	(AGCH-1)	
82	1107-77-007P		6/8/77	VDS Installation	S. Arnes
83	1107-77-008				
84	1107-77-009				
85	1107-77-010A Rev 1	8/24/77	8/24/77	Examination of Failed AGCH-1 Propeller Blade #777	D. Round S. Arnes
86	1107-77-011P		8/23/77	Examination of Failed AGCH-1 Propeller Blade #777	D. Blanchard
87	1107-77-012A	8/23/77	8/23/77	Radio Installation for Pressure Recording Trials	D. Sonnen
				Accepting AGCH-1 Port Overhead Checklist Agenda	

No.	WIA No.	Trans- mittal	Entered on Approved List	Subject	Author
82	1107-77-012A	8/12/77	8/24/77	Annotated AGCH-1 Agenda 77-H-001X, PACS Pitch Rate Oscillation Investigation, and Agenda 77-H-A02X, Yaw Oscillation Investigation	J. Colman
83	1107-77-012A	8/21/77	8/25/77	Annotated AGCH-1 Post Overhaul Checkout Agenda	D. Sorenson
86	1107-77-012P	8/15/77	8/15/77	HIGH POINT (XCH-1) Starboard Upper and Lower Trimailisation Overhaul	L. Tedesco
92	1107-77-012				
92	1107-77-0127				
93	1107-77-012A		8/30/77	RPV Air Flow Investigation (AGCH-1)	S. Arine
94	1107-77-0129		11/28/77	Automatic Control (PAC) and Related Systems Engineering Assistance Required for PLAINVIEW	J. Colman
95	1107-77-020A		12/1/77	Data Processing for RPV Air Flow Investigation (AGCH-1)	D. Blanchard
96	1107-77-021A		12/6/77	Correction of PLAINVIEW (AGCH-1) Strat Locking Circuit Deficiencies	S. Arine
97	1107-78-001A		1/13/78	Documentation of AGCH-1 Gas Turbine Control Logic	S. Arine
98	1107-78-002A		1/13/78	PCB-1 Ship Plan Index (SP) Updating	D. Sorenson
99	1107-78-003P		1/17/78	AGCH-1 Inactivation Salvage Work List and Detailed Work Package ; Assist	D. Sorenson
100	1107-78-004A		1/17/78	PLAINVIEW (AGCH-1) Deck Roll and Right Turnout Investigation Agenda 77-H-A02X	J. Colman
101	1107-78-005A		1/18/78	PLAINVIEW (AGCH-1) Automatic Control System (PACS) Installation, Operation and Maintenance Characteristics	S. Arine
102	1107-78-006A		1/18/78	HIGH POINT (PCB-1) Long Term Reactivation Work Assist	A. H. Reed
103	1107-78-007P		1/24/78	PLAINVIEW (AGCH-1) Hydraulic System; evaluation of PLAINVIEW (AGCH-1) Characterization Curves	S. Arine
104	1107-78-008A		4/24/78	HIGH POINT (PCB-1) Characteristic Data (Towing Curves- wires)	S. Arine
105	1107-78-009A		4/24/78	PLAINVIEW (AGCH-1) Automatic Control System evaluation	S. Arine
106	1107-78-010P		4/24/78	of	
107	1107-78-011A		4/24/78		

**ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM  
DOCUMENTATION REVIEW**

**ATTACHMENT-3 PLAINVIEW (AGEH-1) OPERATIONAL SUMMARY  
BY VOYAGE NUMBER. 1977 & 1978.**

## PLAINVIEW

## OPERATIONAL SUMMARY

VOYAGE NUMBER	DATE	AGENDA NO. 1ER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRIALS SUBJECT
					190:32	Last Foilborne Operation: 11 Dec 1972 Last Hullborne Operation: 2 Feb 1973
H-1	7 Jan 77	76-H-A07X	--	--	--	Post RAV Underway Checkout Hullborne. No Ops. No O.D. Throttle Control Docksides
H-2	10 Jan 77	76-H-A07X	--	--	--	Post RAV Underway Checkout Hullborne. Conducted Man. & Dock. Drills Hullborne.
H-3	11 Jan 77	76-H-A07X	--	--	--	Post RAV Underway Checkout Hullborne. EM Log Inop. H/B Turns Tail Foil Extended
H-4	13 Jan 77	76-H-A07X	--	--	--	Post RAV Checkout H/B. EM Log Inop; Test Att Strut and O.D. Steering
H-5	26 Jan 77	76-H-A07X	--	--	--	Post RAV Checkout H/B With F/B Propulsion EM Log Op; Define Torsionals
H-6	10 Mar 77	76-H-A07X	--	--	--	H/B PACS Checkout; H/B Transit thru Tors 1st; Broad Fwd Foils; 12 Hz Vert Oscillations.
H-7	17 Mar 77	77-H-A01X	--	--	--	Invest. effect of lead-lag filters and Pitch Rate Gains on 12 Hz Vert Oscillations.
H-8	25 Mar 77	NONE - ISE	--	--	--	H/B Transit Todd Shipyard to PSNS
H-9	25 Apr 77	77-H-A01X	--	--	--	No Trials Operations; GT and APU Starting Problems.
H-10	6 May 77	77-H-A01X 76-H-A07X	0:42	0:42	195:14	Fwd and Patch Out Vert Oscillations: Cont: W 1st Post RAV Checkout; Initial F/B ops.
H-11	10 May 77	76-H-A07X	1:42	2:24	196:56	Post RAV Checkout F/B; Takeoffs and Landing 45 Kt EM Log calibration.
H-12	12 May 77	76-H-A07X	3:55	6:19	200:51	Post RAV Checkout F/B; 14' 40 Kt Turns to 4 Deg/Sec; Helm Steps; Depth Steps; F/B Neg x.
H-13	17 May 77	76-H-A07X	1:47	8:05	202:38	Post RAV Checkout F/B; 40 & 45 Kt Turns 350 Ton Takeoff, Large VIP Contingent

**OPERATIONAL SUMMARY**

PLAINVIEW						TRIALS SUBJECT
VOYAGE NUMBER	DATE	AGENDA NUMBER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	
H-14 *	19 May 77	NONE - ISE	2:08	10:14	201:45	PSNS - KEYPORT - ESQUIMALT TRANSIT Yaw Rate discrepancy in 4.2 deg/sec. / turn
H-15 *	20 May 77	NONE - ISE	1:52	12:06	206:38	ESQUIMALT - KEYPORT - PSNS VIP Transit
H-16 *	21 May 77	NONE - ISE	1:09	13:15	207:47	PSNS - ESQUIMALT Transit Lower SS3 operation during transit.
H-17 *	24 May 77	NONE - ISE	1:46	15:01	209:33	ESQUIMALT - PSNS TRANSIT
H-18 *	31 May 77	NONE - ISE	0:09	15:10	209:42	Demo for HYSTU Staff and refueling
H-19	2 June 77	76-H-A07X	5:00	20:10	214:42	F/B Xanu Vibration & Airline Noise Survey Agenda Event 8; 45 Kt Err Lng chg: Max Flt
H-20	17 June 77	NONE - ISE	1:22	21:32	216:04	GT performance evaluation by NAVSEC Phila. Swing ship for compass alignment.
H-21 *	20 June 77	NONE - ISE	0:00	21:32	216:04	H/B Transit to Manchester for refueling
H-22	21 June 77	77-H-A02X	0:28	22:00	216:32	Checkout of GT operation and FACS patches. Photo Mission. No Agenda events completed.
H-23	22 June 77	NONE - ISE	0:32	22:32	217:04	Check oper of 6T engines and port LO sys. Detonations from both GT's. Port pedestal & SL division bearing temperatures high.
H-24	23 June 77	NONE - ISE	0:53	23:25	217:57	Check GT variable vane oper. No detonations. Demo for Vadm Bryen & Supships 13 Officers.
H-25	7 July 77	77-H-A02X	0:03	23:28	218:00	Checkout of FACS Patches. Test operations canceled due to ship machinery problems.
H-26	22 July 77	77-H-A02X	3:29	26:57	221:29	Checkout of FACS patches. Test operations interrupted by misc invalid FACS alarms.
H-27	25 July 77	77-H-A02X	1:32	28:29	223:01	Checkout of antibroaching logic completed. Tests terminated by port F/B propeller failure?

\* Ldg Package Not Distributed

**PLAINVIEW**

**OPERATIONAL SUMMARY**

TRIALS SUBJECT	TOTAL F/B TIME	CURRENT F/B TIME	AGENDA NUMBER	DATE	F/B TIME
AGFH-1 & PCH-1 Pressure Ranging. First use of new port F/B propeller. Check PACS EPER LAND function while foilborne.	226:12	31:40	3:11	25 July 77	NONE
AGFH-1 & PPH-1 Pressure Ranging. ISF opens with PHH-1 & PACFLT Group. Fire in p shaft tunnel	229:37	35:05	3:25	3 Aug 77	NONE
Foilborne transmission system checkout and vibration survey at 305 tons. Refuel	230:17	35:45	0:40	31 Aug 77	NONE
Foilborne transmission system checkout and vibration survey at 350 tons. Int port prop	230:57	36:25	0:40	2 Sept 77	NONE
Voyage cancelled dockside due to various mechanical problems	230:57	36:25	0:00	19 Oct 77	NONE
Demo for Capt Ricketts. OIC OTMSROC	232:38	38:06	1:41	20 Oct 77	NONE
Initiate RPV Wind Survey Tests. Trials cancelled due to loss of H/B SH pressure.	234:04	39:32	1:26	25 Oct 77	77-H-A05X
Voyage cancelled dockside due to PACS Sensor Power Supply fuse problems.	234:04	39:32	0:00	27 Oct 77	77-H-A05X 77-H-A02X
Checkout and RPV Wind Survey Tests.	235:30	40:58	1:26	10 Nov 77	77-H-A05X
Demo for Asst Sectar Hidalgo	236:00	41:28	0:30	11 Nov 77	NONE
No propeller erosion trials completed due to miscellaneous engineering problems.	236:00	41:28	0:00	21 Nov 77	77-H-A04X
Voyage cancelled dockside due to assumption that Kline pump compensates & were inoperative	236:00	41:28	0:00	28 Nov 77	77-H-A04X
Checkout ops only due to rough water and loss of valve in stbd propulsion diesel engine.	237:10	42:38	1:10	1 Dec 77	NONE
Light ship eval of F/B propeller erosion Search for man lost off Point Marion	237:10	42:38	0:00	8 Dec 77	77-H-A04X

**PLAINVIEW**

**OPERATIONAL SUMMARY**

VOYAGE NUMBER	DATE	AGENDA NUMBER	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRIALS SUBJECT
H-42	12 Dec 77	NONE	0:00	42:38	257:10	RPV Guest Probes. No trial operations. Refuel, Loss of Std Outdrvr
H-43	16 Dec 77	NONE	0:42	43:20	237:52	Successful launch and recovery of guest probes in initial RPV trials
H-44	14 Feb 78	NONE	0:00	43:20	237:52	Post RAV Checkout. Trials cancelled due to excessive GT vibrations. Not confirmed dockside with no load run in.
H-45	15 Feb 78	NONE	0:12	43:32	238:04	Post RAV checkout. GT vibrations still high. Two steering anomalies due to art strut paint chin. Port SW system only.
H-46	21 Feb 78	N-IE	2:08	45:40	240:12	GT vibration signatures dockside, H/B & F/B. Operation with Port SW sys only is successful. Slow approach 3 mins. Takeoff.
H-47	07 Mar 78	77-H-A03X-A	0:00	45:20	240:12	No trial operations. Voyage terminated with repeated failure of std GT to start.
H-47	09 Mar 78	77-H-A03X-A	1:16	46:56	241:28	No agenda events completed. Takeoffs performed with different procedures.
H-49	14 Mar 78	77-H-A03X-A	3:06	50:02	244:34	Effect of PACS patches on "Dutch Roll" and Yaw oscillations. Port turn to 6.3 deg/sec
H-50	21 Mar 78	NONE	0:36	50:38	245:10	Demo for POIC, Lt. Ackley Refuel to approximately 348 tons
H-51	22 Mar 78	NONE	3:32	54:10	249:42	Demo for POIC, last ops for Lt. Hudson Fire drill. Minor lat discrep, depth set error
H-52	30 Mar 78	77-H-A03X-A	0:00	54:10	248:42	Voyage cancelled dockside due to hose fitting failure in port upper LO system
H-53	04 Apr 78	77-H-A03X-A	0:16	54:26	243:58	Not trial operations performed. Voyage terminated with a hydraulic system leak.
H-54	06 Apr 78	77-H-A03X-A	2:15	56:41	251:13	Completed Agenda Event 1. Trans't Coherence-ment Bay, Tacoma. Turn to -5.8 deg/sec
H-55	09 Apr 78	NONE-1ST	2:07	58:48	253:20	Support Tacoma Civic activities

## **PLAINVIEW OPERATIONAL SUMMARY**

## OPERATIONAL SUMMARY

Voyage Number	Date	Agenda Number	F/B TIME	CURRENT F/B TIME	TOTAL F/B TIME	TRAILS SUBJECT
H-56	13 Apr 78	77-H-A03X-B	0:06	58:54	253:26	Refuel; No trial operations due to port bilge (pod) and elec LQ scar pump problems
H-57	25 Apr 78	77-H-A03X-B	1:53	60:47	255:19	Complete agenda Event 2 Cond A thru D. Depth trans in turns. ISE ops with PCH-1
H-58	11 May 78	77-H-A03X-B	1:15	62:02	256:34	Port Outdrive Re-aligned docks/ide. Complete Event 3 Cond A & B. Add 720 deg turns.
H-59	20 May 78	NONE-1SE	2:53	64:55	259:27	Support Port Townsend and Navy League Civic Activities. Lower SS 4 or High 3?
H-60	23 May 78	NONE-1SE	2:38	67:33	262:05	Transit of Pressure Ranging trials test site and Elliott Bay.
H-61	25 May 78	NONE-1SE	1:30	69:03	263:15	Refuel - Std F/B XENON system vibration survey - Fire in port shaft alley.
H-62	22 June 78	NONE-1SE	0:00	69:03	263:35	Machinery Checkout- Airstart APU on deck Cancel ops with Std GT hot start & oil leak
H-63	23 June 78	NONE-1SE	0:34	69:37	264:09	Machinery Checkout-All systems acceptable
H-64	26 June 78	NONE	4:11	73:48	268:20	Pressure Ranging Trials
H-65	12 July 78	78-H-A01X	0:10	73:58	268:30	Full Power Trials (Hullborne on F/B propel.) Fire in port shaft tunnel.
H-66	14 July 78	NONE	0:00	73:58	268:38	ISE For Lube Oil Exchange and Drills No Loss Maintained

TECHNICAL  
ARTICLES

House  
Structures

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1.

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. WNN001

OCT 17 1976

DOCUMENT  
NUMBER

BOEING CO.  
(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED  
EXPERIENCE

CORNI, R.  
FRENCH, M.  
WATSON, P.

APR 72 RELEV 1

NO0600-71-C-0566

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA  
DEVELOPMENT. SEE BOEING DOC. D221-11000-3  
(08/NO. UC-4820) CURRENTLY UNDER NAVY REVIEW.

BOEING CO.

(U) STRUCTURAL INSPECTION-AGEM-1 PLAINVIEW PRE-ROUGH  
WATER TESTING (1972) HYSTU PLAN BE129-4197

JAN '73 RELEV 4

LTR 2-1524-1000-897

NO0600-69-C-0618

BOEING CO.  
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION  
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL  
LINKAGE FAILURE  
COLEMAN, J.T.  
TN-A-15

NO0600-69-C-0618

REMARKS: ALSO SEE NSROC MEMO, DS NO. 10-02263

BOEING CO.  
(U) EROSION CORROSION INSPECTION REPORT. DATED  
1973  
SMELL-SOOT TOP AREA, PLAINVIEW, AGEM-1, 16 PE

LTR 2-1524-1000-917

NO0600-69-C-0618

MAR '73 RELEV 4

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRODC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

10-U04822 M

10-U02578 M

10-U01911 M

10-U01991 M

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - HULL STRUCTURE

QUERY-# PART NO. MNNO01

OCT 17 1978

DOCUMENT NUMBER

10-U02145 N

BORING CO.  
(U) SHIP BEHAVIOR DURING SEA SPARROW/HYDROFOIL  
COMPATIBILITY TESTS ON PLAINVIEW (AGEH-1)

LTA 2-1524-100-049  
M0000-89-C-0618

REMARKS: REF TRIALS PLAN MN046A-A272 (10-U07239)

BOEING CO.

(U) HULL IMPACT TRIALS (89 PP)  
WATSON, F. B. OCT 74 RELAY 4  
TN-A-17

M0000-89-C-0618  
REMARKS: REF TRIALS PLAN BE138-A248 (10-U06820),  
PROVIDES CORRELATION BETWEEN MEASURED AND  
PREDICTED RIGID BODY MOTIONS. REPORT IS LIMITED  
IN TERMS OF VALIDATING THE PREDICTION TECHNIQUES.

BOEING CO.

(U) TRIALS PLAN-AGEH-1 HULL IMPACT CHARACTERISTICS  
(29 PP)  
OCT 74 RELAY 5

BE138-A248  
REMARKS: REF RPT 10-U05720 (TN-A-17)

BOEING CO.

(U) HYDROFOIL COATINGS LOG (34 PP)  
MARTIN, D. W. SEPT 76 RELAY 3  
D324-51368-1  
M00167-76-6-6241

REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF  
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,  
FOILS, STRUTS.

10-U06820 P

10-U06820 N

10-U06820 LM

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. MM0001

OCT 17 1978

DOCUMENT NUMBER

10-008833 M  
(U) FATIGUE ANALYSIS OF THE PCH-1 KING POST (45 PP)  
ROUND. D.H.  
RPT-6

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-000760

(U) PCH-1 EXERCISE ADMIXTURE TRIALS (U) (76 PP)  
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)

ROBERTS, J.H.  
LTR-SER-01-72  
TAE-SAD-13E-1966

REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND  
REPORT 10-500115

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-001230 M

(U) MEASUREMENT OF AGEM STRUT-FOIL AND HULL DYNAMIC  
CHARACTERISTICS BY "PLUCK" TEST  
PEOPLES, J.R.  
SEPT 72

REMARKS: TAE-SAD-13E-1966  
TAE-SAD-13E-1966  
REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND  
EXPERIMENTAL TECHNIQUES

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-005840 M

(U) FATIGUE DAMAGE SURVEY OF EXISTING HIGH  
PERFORMANCE SURFACE SHIPS (14 PP)  
JOHNSON, W.S.  
TN-SD-173-238

REMARKS: INCIDENCE LINK, 11 DECEMBER 1972  
YARNALL, P.  
MEMO 73-173-M98  
REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE  
AND HULL IMPACT. SEE DB NO. 10-U01911

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

QUERY-PART NO. WNN0001

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 MOD-1 CALM WATER STRUCTURAL  
TESTS (127 pp)  
BUCKLEY, M.H.  
NW049-P294  
REMARKS: REF RPTS 10-U05046, 10-U08834, 10-U05047  
AND 10-U05118

10-007245 R

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) USS PLAINVIEW (AGEH-1) PRELIMINARY VIBRATION  
STUDIES-REF TRIALS PLAN NW031-A231 (10-U07231)  
SCHAUER, R.E.  
TSE-SD-79-1966  
REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE  
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL  
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT  
FLUTTER SPEEDS. COMPARISON WITH MIL STD 167B AND  
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

10-005277 R

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) INSPECTION TRIP TO U. S. NAVY HYDROPOIL  
PLAINVIEW (AGEH-1) 12-14 OCT 1973 (1STIP REPORT)  
JOHNSON, W.S.  
LTR 74-173-99:173:MSJ

10-005262 R

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TRIALS  
YARNALL, P.  
MEMO CODE-1731 PY:74-173-R  
REMARKS: REF TRIALS PLAN NW040A-A27 (10-U07239)  
DOCUMENTS ASPECTS OF TRIAL PERTAINING TO  
HYDROFOIL STRUCTURES

10-005395 R

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 5

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY

TECHNICAL - HULL STRUCTURE

QUERY-PART NO. 1000001

OCT 17 1976

DOCUMENT  
NUMBER

10-U07256 F  
DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCH-1 MOVIES OF STRUCTURAL MANEUVERS

(7 PPI)

YARNALL, P.

MM062-324C

JULY 74 RELEV 5

REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL

CANCELLED 2111:6315:109211A:507:2002:0100

10-U06345LF  
DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIP REPORT TO HYSTU AND BOEING (RE: AGEM

FOIL/STRUT INSPECTION; PCH-1 MCD-1 TRIALS SUMMARY

(21 PPI)

YARNALL, P.

JAD/74-173-021

NOV 74 RELEV 5

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 BASE LINE

D'NEILL, W.C.

25

27

MM06-P330

REMARKS: REPORT TO BE RELEASED

10-U07260 F  
DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART 1

TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL 11

(U)

JUNE 76 RELEV 1

TN-SDC-119-18

REMARKS: REF DE/NO 10-500168

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - HULL STRUCTURE

QUERY-PART NO. WNA001

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-008621 M  
(U) REVIEW OF PCH-1 FOIL SYSTEM VIBRATION INFORMATION  
FOR USE IN PREPARATION OF VIBRATION SURVEY TRIALS  
PLAN 148 PP  
YARNALL, P.  
LTR-76-173-M102

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-008668 M  
(U) RESULTS OF VISIT TO BOEING (MSD) 9/24-26 REVIEW  
OF PHM-3 SERVICE LOADS & PCH-1 (HOD-11) WIND POST  
PATIGUE ANALYSIS (18 PP)  
BUCKLEY, W.H.  
LTR-77-173-209

HENRY (J. J.) CO., INC. 10-002851 M  
(U) FOUNDATION FOR HARPOON LAUNCHER ON PCH-HPO  
1-SCANTLING CALCULATIONS JUNE 73 RELEV 4

J.O. # 1045-03  
REMARKS: REP TRIALS PLAN NW043-P305 (10-007243)

HENRY (J. J.) CO., INC. 10-005173 M  
(U) FOUNDATION FOR CANISTER LAUNCHER ON PCH-1  
JUNE 73 RELEV 5  
SKETCH NO 100-1  
REMARKS: REP TRIALS PLAN NW043-P305 (10-007243)

JOHNS HOPKINS APPLIED PHYSICS LABORATORY 10-009820  
(U) FLOW FIELDS ABOVE FANTAIL OF PLATINVIEW HYDROFOIL  
SHIP, AS DEDUCED FROM WIND TUNNEL DATA (26 PP)  
CRAMER, R.  
JAN 78 RELEV 4  
BAF-1-78-04  
REMARKS: REF-WTA-1107-77-021A RPV AIR FLOW  
INVESTIGATION (AGEH-1)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL C AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - HULL STRUCTURE

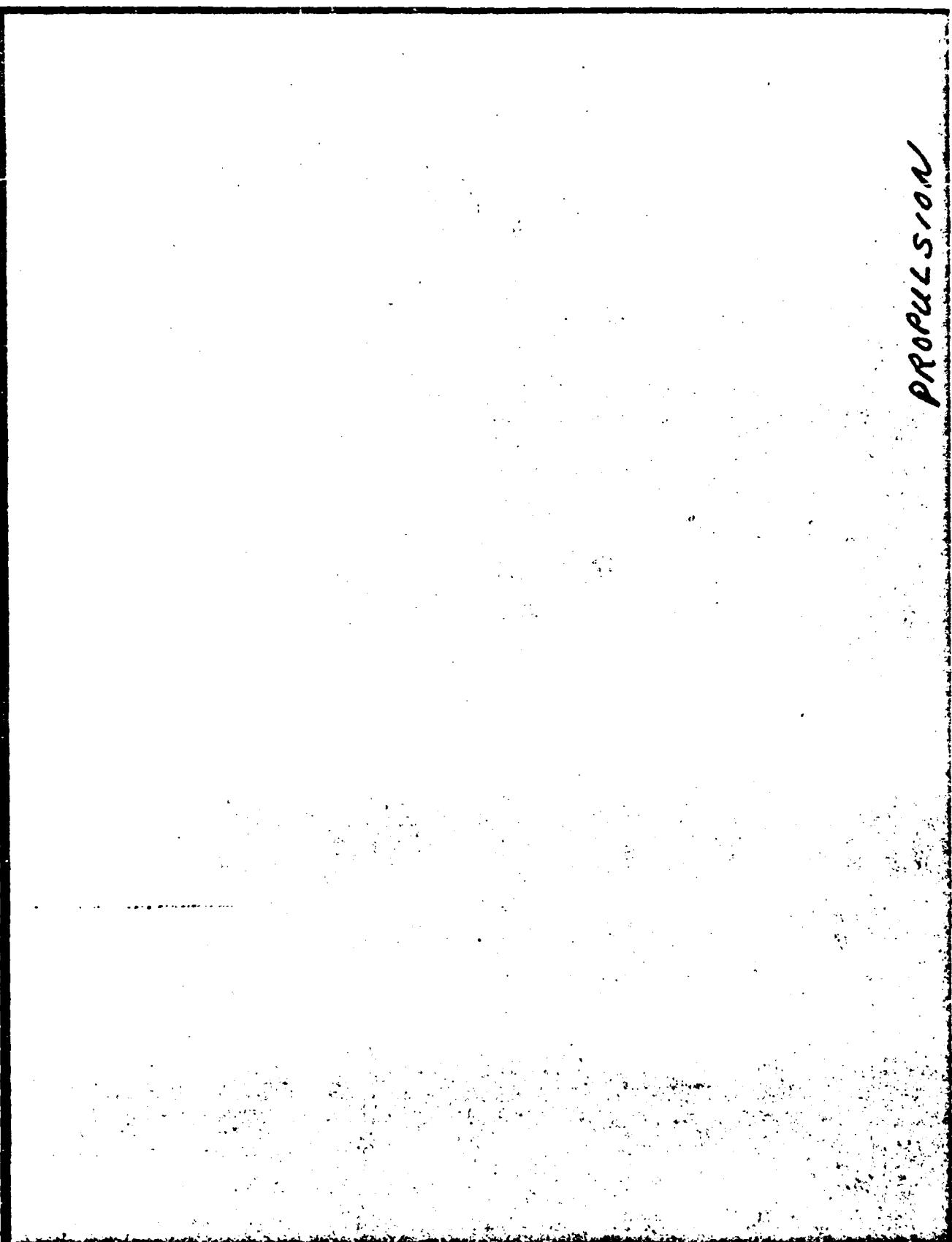
OCT 17 1978

QUERY-PART NO. WHA101  
DOCUMENT NUMBER  
10-U01851 F

MARSH ISLAND NAVAL SHIPYARD FOR HYDROFOILS-PROGRESS  
(U) COATING DEVELOPMENT FOR HYDROFOILS  
REPORT-MARCH 1973 MAR 73 REL/EV 5  
L. 134.3-94

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

*PROPOSITION*



*WILLIAM H. HARRIS*

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 1

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - PROPULSION

QUEST PART NO. WNN002

OCT 17 1978

DOCUMENT  
NUMBER

10-U06957 F

BOEING CO.  
(U) STANDARD FOIL SYSTEM SURFACE/PROPELLER  
INSPECTIONS-AGEH-1 CANCELLATION OF (8 PP)  
JAN 72 RELEV 7

HYSTU PLAN EC190-AC

BOEING CO.  
(U) SPEED AND POWERING TESTS WITH NEW TORQUE AND  
THRUST METERS (PCH-AOD 0)  
REIG. D.  
LTR 2-1508-1000-685  
NO0600-69-C-0618  
REMARKS: GOOD SUMMARY OF PCH-NOD 0 SMOOTH WATER  
SPEED AND POWERING TESTS WITH VARIOUS PROPELLERS

10-U06981 M

BOEING CO.  
(U) PCH-1 PROPELLER VENTILATION AIR SUPPLY SYSTEM  
TRAILERS CHECKOUT (4 PP)  
JUNE 73 RELEV 4  
2-1524-1000-981  
NO0600-69-C-0618  
REMARKS: REF TRIALS PLAN HY082-A269 (10-U07152)

10-U06988 M

BOEING CO.  
(U) AGEH-1 ROUGH WATER SPEED POWER DATA  
LTR 2-1524-1-10-1190  
NO0600-69-C-0618  
REMARKS: TRIALS PLAN RE1528-A273 (10-U06922)

10-U07448 M

BOEING CO.  
(U) PCH-1 TRANSMITTAL OF REPORT (PHASE 1) STRUCTURAL  
STRAIN GAGE RESPONSES DURING THE STARBOARD  
FORWARD PROPELLER SHAFT FAILURE OF 9-26-75 (8 PP)  
RAND. A.H.  
LTR 2-1524-1000-1608  
NO0600-75-C-1107

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE CHIEF WATER OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - PROPULSION

QUERY-PART NO. WMA002

BOEING CO. OCT 17 1978  
(U) HYDROFOIL RADIATED NOISE (U) (37 PP)  
ALLEN, M. OCT 76 RELEV 3  
0324-14004-1

REMARKS: INCLUDES REVIEW OF ALMOST ALL U. S.  
HYDROFOIL ACOUSTIC RADIATED NOISE INFO.  
LIA H-7308-1000-1957  
N00600-75-C-1107

BOEING CO.  
(U) AGEH-1 FOILBORNE TRANSMISSION LUBE OIL SYSTEM  
DATA WHILE USING ALTERNATE OPERATING PROCEDURES  
(112 PP)

JUNE 77 RELEV 4

NO0600-75-C-1107

BOEING CO. 10-U09812 W  
(U) FAILED AGEH-1 PROPELLER M & P METALLURGICAL  
LABORATORY SUPPORT (7 PP) DEC 77 RELEV 4  
ROBERTS, E.  
2-5618-0077-278  
N00600-75-C-1107  
REMARKS: REF-WTA-1107-77-0104 & D/B NO. 10-U09827

BOEING CO.  
(U) AGEH-1 FAILED PROPELLER BLADE FATIGUE TEST

LABORATORY TEST REPORT (5 PP)  
ROBERTS, E. MAR 78 RELEV 4  
2-5618-0078-048  
N00600-75-C-1107  
REMARKS: REF-WTA-1107-77-0104 & D/B NO. 10-U09828

10-U09826

10-U09827

10-U09828

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - PROPULSION

QUERY-PART NO. MMW002

OCT 17 1978

DOCUMENT

NUMBER

SOLT BERANEK AND NEWMAN, INC. 10-000974 M

(U) MODEL AND SILENCING PROGRAM FOR UNDERWATER  
RADIATED NOISE FROM HYDROFOIL CRAFT (U) (107 PP)  
SMULLIN, J.  
GOODS, C.  
RPT-2496  
NO0800-72-C-0890

REMARKS: DRAFT

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-002083 M  
(U) AIRBORNE NOISE ANALYSIS OF USS PLAINVIEW (AGER-1)  
AFTER INSTALLATION OF AIR INTAKE PLENUM ACOUSTIC  
TREATMENT

ARGIRO, L.J. JULY 73 RELLEV 4

LTR RPT 27-247

REMARKS: REF TRIALS PLAN HY074A-A242 (10-007144)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-007152 F

(U) TRIALS PLAN-AGER-1 FORCED VENTILATION OF  
FOLDBORNE PROPELLERS (19 PP)

JULY 72 RELLEV 2

HY082-A269

REMARKS: REF RPT 10-009852

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-007154 F  
(U) TRIALS PLAN-AGER-1 SMOKE ABATEMENT FOR LM1500 GAS  
TURBINE ENGINES (19 PP)

AUG 72 RELLEV 5

HY085-A275

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-007285 F  
(U) OVERHAUL AND UP-DATING MAIN PROPULSION  
ENGINES; CANCELLED (4 PP)  
PETRY, B.R. OCT 72 RELLEV 7  
HYSTU PLAN NAO33-HC

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - PROPULSION

QUERY-PART NO. NMN002

OCT 17 1978  
DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09832  
(U) LETTER REPORT ON HYDROFOIL TRIALS PLAN HY082-A289  
(12 pp)

MASON, J. OCT 72 RELEV 4  
LTA-1154-5-EM  
REMARKS: REF-TRIALS PLAN-HY082-A289 (10-U07152)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U02479 M  
(U) CAUSE OF ACH VIBRATION DURING TAKE-OFF  
ANTONIDES, G.P. APR 73 RELEV 4  
TN-SAD-49E-1962  
REMARKS: REF-TRIALS PLAN NMN031-A231 (10-U07231). A  
GOOD CONCISE REPORT.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07244 F  
(U) TRIALS PLAN-PCH-1 MOD-1 VENTED PROPELLER TEST (10  
pp)  
O'NEILL, M.C. APR 73 RELEV 7  
NMN046-P269C  
REMARKS: CANCELLED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05875 M  
(U) SERVICE EXPERIENCE OF STRUT AND FOIL DAMAGE ON  
NAVY HYDROFOILS (3 pp)  
RABEL, C.R. JUNE 73 RELEV 3  
MEMO HP-114/ 9566-1 GEN  
REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A  
COMPREHENSIVE TREATMENT

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07248 F  
(U) TRIALS PLAN-PCH-1 FEASIBILITY OF MOD-1 PROPELLER  
VENTILATION (38 pp)(INCLUDES TRIAL AGENDA)  
HALPEP, D.P. JUNE 73 RELEV 5  
NMN050-P297  
REMARKS: REF REPORT ONSRDC SPD-264-11 TO BE  
RELEASED

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - PROPULSION

QUERY-PART NO. WNN002

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-J05460 M  
(U) REPORT OF EFFECTS OF DIESEL #2 VS JP-5 ON AGEM-1  
WOOLLEN, E.B.  
WHITE, E.W.  
SCHAB, H.W.  
LTR AGEM-1/TMWSER 74-73

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07286 F  
(U) TRIALS PLAN-PCH-1 MACHINERY AND AIRBORNE NOISE  
CHARACTERISTICS (13 PP)  
AUG 73 RELEV 4  
R22: WNS: REF REPORT 10-U05493

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05277 M  
(U) USS PLAINVIEW (AGEM-1) PRELIMINARY VIBRATION  
STUDIES-REF TRIALS PLAN N0031-A231 (10-U07231)  
SCHAUER, R.E. APR 74 RELEV 2  
T6E-SAD-79E-1986

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE  
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL  
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT  
FLUTTER SPEEDS. COMPARISON WITH MIL STD 187B AND  
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05849 M  
(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP  
HELD JUNE 12-13 1974 SEPT 74 RELEV 4  
LTR 119:DJC:10080 OR 18 SE

AUTHORIZED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
TESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - PROPULSION

QUERY-PART NO. MHN002

OCT 17 1978

DOCUMENT NUMBER

10-U07260 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 BASE LINE  
O'NEILL, N.C.

25

27

DEC 74

RELEV 7

REMARKS: REPORT TO BE RELEASED

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL 11  
(U)

JUNE 76 RELEV 1

REMARKS: REF DB/MO 10-S00168

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) HIGHPOWER FOILBORNE TRANSMISSION UNDERWAY  
CHECK: V1: TRIALS LOG PACKAGE FOR VOYAGE NO. 063.  
065. 069. & 069 (22 pp)  
WHITEHEAD, V.R.  
LTR SER 90-77

APR 77 RELEV 5

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) AGEH-1 TECHNICAL TRIALS LOG PACKAGES FOR THE  
PERIOD 31 AUG TO 02 SEPT 1977 (21 pp)  
RIEG, O.P.  
LTR SER 175-77

OCT 77 RELEV 5

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) AGEH-1 TECHNICAL TRIALS LOG PKGS FOR THE PERIOD  
OF 19 OCT 77 THRU 08 DEC 77 TECH. TRIALS LOG  
PKGS & OPERATIONAL SUMMARY (75 pp)  
DEC 77 RELEV 5

LTR-SEP-175-11

REMARKS: VOYAGE-32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 442

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.



SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 8

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - PROPULSION

QUERY-PART NO. MNNO02

OCT 17 1978

DOCUMENT  
NUMBER

10-U05493 M

PUGET SOUND NAVAL SHIPYARD

(U) USS HIGH POINT (LPH-1) MOD-1)-STRUCTUREBORNE AND  
AIRBORNE NOISE SURVEY

MAY 74

RELEV 2

T-10148

REMARKS: REF TRIALS PLAN NAO344-0301 (10-U07286)

SPAEGENS (T. W.)

(U) EVALUATION OF TORSIONAL VIBRATION CHARACTERISTICS  
OF FOILBORNE PROPULSION SYSTEMS-HYDROFOIL

PLAINVIEW (AGEH-1)

SPAEGENS, T.W.

APR 72

RELEV 4

C1508-1

N00406-72-C-0527

REMARKS: INTERIM REPT. SEE DB NO. 10-U02029

SPAEGENS (T. W.)

(U) PRELIMINARY ANALYSIS OF POSSIBLE SOLUTIONS TO  
TORSIONAL, FLEXURAL AND LONGITUDINAL VIBRATION  
PROBLEMS IN FOILBORNE PROPULSION SYSTEMS:

HYDROFOIL "PLAINVIEW" (AGEH-1)

SPAEGENS, T.W.

MAY 72

RELEV 4

C1508-3

N00406-72-C-0527

REMARKS: SEE DB NO. 10-U02029

SPAEGENS (T. W.)

(U) REVIEW AND UPDATING OF PREVIOUS INTERIM REPORTS  
AND CORRECTIVE MODIFICATION FOR TORSIONAL  
VIBRATION PROBLEM HYDROFOIL PLAINVIEW (AGEH-1)

SPAEGENS, T.W.

MAY 73

RELEV 4

C1508-4

N00406-72-C-0527

REMARKS: ALSO SEE NSRDC TECH NOTE ON SAME SUBJECT.

DB NO 10-U02479

10-U02029 M

PUGET SOUND NAVAL SHIPYARD

(U) AIRBORNE NOISE SURVEY

PLAINVIEW (AGEH-1)

SPAEGENS, T.W.

MAY 73

RELEV 4

C1508-5

N00406-72-C-0527

REMARKS: SEE NSRDC TECH NOTE ON SAME SUBJECT.

DB NO 10-U02479

10-U02508 M

PUGET SOUND NAVAL SHIPYARD

(U) AIRBORNE NOISE SURVEY

PLAINVIEW (AGEH-1)

SPAEGENS, T.W.

MAY 73

RELEV 4

C1508-6

N00406-72-C-0527

REMARKS: SEE NSRDC TECH NOTE ON SAME SUBJECT.

DB NO 10-U02479

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTERS ON THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

Auxiliary  
systems

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. SHN001

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) CHARGING AND MONITORING OF THE LOAD COMPENSATOR  
FOR FORWARD FOIL ACTUATION SYSTEM-AGEH-1  
COLEMAN, J.T. JAN 72 RELEV 4  
TN-A-3  
NO0600-69-C-0618

REMARKS: REVISION B

BOEING CO.  
(U) MAIN STRUT EXTENSION/RETRACTION SYSTEM TEST  
RESULTS  
SONENSON, D. JAN 73 RELEV 5  
LTR 2-1524-1000-835

NO0600-69-C-C618  
REMARKS: INSUFFICIENT AND INCOMPLETE ANALYSIS AND  
DOCUMENTATION

10-U02151 M

BOEING CO.  
(U) TRIALS PLAN-AGEH-1 INSTRUMENTATION AIR  
CONDITIONING MODIFICATION (9 PP)  
APR 73 RELEV 7

BE211-A292  
REMARKS: EQUIPMENT INSTALLED. NO RPT REQUIRED

BOEING CO.  
(U) TRIALS PLAN-AGEH-1 SALT WATER MACHINERY  
CIRCULATING AND COOLING SYSTEM OVERHAUL AND  
MODIFICATION (9 PP)  
JUNE 73 RELEV 5

BE213A-A293  
REMARKS: EQUIPMENT MODIFIED AND OKAY. NO REPORT  
REQUIRED

10-U06970 F

10-U06972 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK  
SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. MNH001

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO. 10-U06973 F  
(U) TRIALS PLAN AGEM-1 POTABLE WATER SYSTEM OVERHAUL  
AND MODIFICATIONS (12 PP)

JUNE 73 RELEV 7

BE214A-A208

REMARKS: EQUIPMENT MODIFICATION AND OVERHAUL.

BUNKER-RAMO CORP. 10-C00019L  
(U) ACTIVE/PASSIVE RELIABLE ACOUSTIC PATH SONAR

(APRAPS) ANALYSIS AND PREDICTION MODEL AND FINAL  
TECHNICAL REPORT (U) (198 PP)

JUNE 77 RELEV 4

DDC-R 20039-7C9

NO0024-78C-6220

REMARKS: GOOD SUMMARY OF APRAPS DEVELOPMENT PROGRESS  
TO DATE.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U01965 M  
(U) REPORT OF EXAMINATION OF MOR-METALLIX PIPING

AFTER 18 MONTHS OF SEA WATER SERVICE IN PCH-1  
SCAB. H.W. JAN 72 RELEV 4

MEMO CODE-2707

REMARKS: REF TRIALS PLAN NA007-P121

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07287 F  
(U) TRIALS PLAN-PCH-1 STUDY OF PRG AND GRP

PIPE/VALVES FOR SEAWATER SYSTEMS (8 PP)

SCAB. H.W. JAN 72 RELEV 8

NA007-P121

REMARKS: REF REPORT 10-U01965

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. MNNO01

OCT 17 1978

DOCUMENT NUMBER

10-00760

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCH-1 EXERCISE ADMIRALTY TRIALS (U) (76 PP)  
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)  
ROBERTS, J.H.  
LTA-SER-01-72  
RELEV 4

REMARKS: REF TRIALS PLAN N0020-P230 (10-U08720) AND  
REPORT 10-50015

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) FIRE-PROTECTION SYSTEM IN USS PLAINVIEW (AGM-1)  
GUSTAFSON, R.E.  
RPT-059  
RELEV 2

AD763366  
REMARKS: REF TRIALS PLAN N0020-A251 (10-U07274)

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGM-1 IMPROVED FIRE FIGHTING SYSTEM  
(114 PP)  
GUSTAFSON, R.  
NA020-A251  
RELEV 5

REMARKS: REF RPT 10-U01245

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGM-1 DESIGN AND INSTALLATION OF A  
NEW HYDRAULIC SYSTEM  
OCT 72 RELEV 5

HY081-A278C  
REMARKS: BOEING REPORT (WTA 1107-78-008A). REPORT  
DUE AFTER DEACTIVATION OF AGM-1

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) POST DELIVERY MISCELLANEOUS HYDRAULIC SYSTEM  
REPAIR AND MODIFICATION TO PLAINVIEW (AGM-1)(17  
PP)  
HARTRAN, E.  
HYSTU PLAN N0008C-A135  
AUG 73 RELEV 7

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 4

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. MNNO01

OCT 17 1978

DOCUMENT  
NUMBER

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-HYDROFOIL UNDERWAY REPLENISHMENT  
STATION KEEPING WITH ELECTRONIC DEVICES  
JULY 74 RELLEV 5  
HY089-M316

REMARKS: TRIAL INCONCLUSIVE. NO REPORT RELEASED

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP  
HELD JUNE 12-13 1974  
SEPT 74 RELLEV 4  
LTR 115:DOC:9080 OF 10 SE

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL II  
(U)  
JUNE '73 RELLEV 1  
TN-300-115-18  
REMARKS: REF DB/NO 10-S00168

GRUMMAN AEROSPACE CORP.  
(U) PROCUREMENT SPECIFICATION SERVO ACTUATORS,  
ELECTRO-HYDRAULIC FOR FORWARD FOIL INCIDENCE  
CONTROL SYSTEM PLAINVIEW AG(EH)-1  
DEC 72 RELLEV 4  
SPEC. 71B-801-3  
M00006-72-C-0729  
REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

GRUMMAN AEROSPACE CORP.  
(U) DETAILED DESIGN OF AG(EH) FORWARD FOIL FLAP  
CONTROL SYSTEM  
APR 73 RELLEV 3  
RPT 71B-901-6  
M00006-72-C-0729  
REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - AUXILIARY SYSTEMS

QUERY-PART NO. MNNO01

OCT 17 1978

DOCUMENT  
NUMBER

OPTRUMAN AEROSPACE CORP.  
(U) USE OF PLATINUM (AG18H) TO EVALUATE ACTIVE  
PASSIVE RELIABLE ACOUSTIC PATH SONAR (APRAPS)  
SYSTEM (42 PP)

SYSTEM (42 PP)  
MAR 298-070-1  
NO0600-78-C-0248

FEB 78 RELEV 8  
REMARKS: SEE COMMENTS ATTACHED TO BACK COVER

10-U07755LM

NAVAL ELECTRONICS LABORATORY CENTER  
(U) TRIALS PLAN-PCR-1 REPLENISHMENT AT SEA (11 PP)  
BREMSEFORD, D. K.  
NO027-0228  
REMARKS: NO REPORT RELEASED

10-U07189 F

NAVAL SEA SYSTEMS COMMAND  
(U) PRE-PROTOTYPE ADVANCED CRAFT FUELING BOOM-FINAL  
TEST REPORT  
DAW, R.  
MONG, E.  
WAGNER, J.  
TP-18-73  
AD9100007L

10-U05488 M

PULSCO LABORATORIES  
(U) PRESSURE PULSATION AND SURGE MEASUREMENTS ON THE  
PORT PRESSURE FLIGHT HYDRAULIC SYSTEM OF THE  
HYDROFOIL RESEARCH SHIP AG18H-1  
MORRIS, R. P.  
R-370  
NO060-89-C-0905  
REMARKS: ALSO SEE ANALOG STUDY PULSCO RPT A-158, DB  
NO 10-U1395

10-U05053 M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

.. 2025 ..

CONTROLS

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - CONTROLS

QUERY-PART NO. WING003

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) CHARGING AND MONITORING OF THE LOAD COMPENSATOR  
FOR FORWARD FOIL ACTUATION SYSTEM-AGEM-1  
COLEMAN, J.T.  
TN-A-3  
NO0600-89-C-0618  
REMARKS: REVISION B

BOEING CO.  
(U) TRIALS PLAN-AGEM-1 SIX DEGREE OF FREEDOM DIGITAL  
SIMULATION OF THE FOILBORNE (16 PP)  
JAN 73 RELEV 5  
BE206-A285  
REMARKS: REF RPTS 10-U05491

BOEING CO.  
(U) TRIALS REPORT ON DYNAMIC CHARACTERIZATION  
READINESS (AGEM-1)  
BENZ, R. C.  
FARRIS, J. E.  
TN-A-12  
NO0600-89-C-0618  
REMARKS: REF TRIALS PLAN BE181-A256 (10-U06949)

BOEING CO.  
(U) TRIALS PLAN-AGEM-1 FOILBORNE EMERGENCY  
PROCEDURES(16 PP)  
FEB 73 RELEV 5  
BE133A-A286  
REMARKS: REF. RPTS. 10-U02156(TN-A-9)

BOEING CO.  
(U) TRIALS PLAN-AGEM-1 DYNAMIC CHARACTERIZATION  
READINESS (38 PP)  
FEB 73 RELEV 5  
BE181-A256  
REMARKS: REF RPTS 10-U02931 (TN-A-12)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - CONTROLS

QUERY-PART NO. WNK003

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) PLAINVIEW SHIP MOTIONS AND ACS OP-RATION  
FOLLOWING THE STARBOARD FOIL INCIDENT CONTROL  
LINKAGE FAILURE  
COLEMAN, J.T. MAR 73 RELEV 2  
TH-A-15  
NO0600-69-C-0618  
REMARKS: ALSO SEE NSRDC MEMO, DS NO. 10-U2263

10-U01911 M

BOEING CO.  
(U) TRIALS PLAN-AGEN-1 AUTOMATIC CONTROL SYSTEM  
MODIFICATION (19 PP)  
MAY 73 RELEV 7  
BE153A-A293  
REMARKS: CANCELLED. EQUIPMENT MODIFIED. NO REPORT  
REQUIRED

10-U06923 F

BOEING CO.  
(U) TRIALS PLAN-PCH-1 AUTOMATIC CONTROL SYSTEM  
CONFIGURATION LOG (20 PP)  
SEPT 73 RELEV 7  
BE215B-P304  
REMARKS: EQUIPMENT CONFIGURATION CONTROL. NO RPT  
REQUIRED

10-U06974 F

BOEING CO.  
(U) EQUATIONS FOR AND RESULTS FROM THE DIGITAL  
SIMULATION OF THE FOILBORNE AGCH-1  
HADJINS, P.J. JAN 74 RELEV 4  
D319-51500  
NO0600-69-C-0618  
REMARKS: REF TRIALS PLAN BE206-A285 (10-U06967)

10-U069491 M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - CONTROLS

QUERY-PART NO. MNN0003

OCT 17 1978

DOCUMENT  
NUMBER

10-U05121 M

BOEING CO.  
(U) SHIP BEHAVIOR DURING HARPOON/HYDROFOIL  
COMPATIBILITY TESTS ON HIGH POINT (PCH-1)

MAR 74 RELEV 4

LTR 2-1524-1000-1192

NO0600-69-C-0618

REMARKS: REF TRIALS PLAN CNW045-P305 (10-U07247)

10-U09818

BOEING CO.  
(U) PCH-1 MOD-1 TRIM, TURNING & STEP RESPONSE  
CHARACTERISTICS-DEFINITIVE CHARACTERISTICS  
FOILBORNE (16 PP)

APR 74 RELEV 4

2-1524-1000-1233

NO0600-69-C-0618

REMARKS: REF-TRIALS PLAN-KB042B-P290 (10-U07241)

10-U09829

BOEING CO.  
(U) RECOMMENDED OPERATING MODES FOR MUADAP  
INSTALLATION ON PLAINVIEW (AGEH-11) (20 PP)

JUNE 75 RELEV 4

2-1524-1-1506

NO0600-75-C-1107

REMARKS: REF-ITA 1107-75-015A

10-U09831

BOEING CO.  
(U) AGEH-1 AUTOMATIC CONTROL SYSTEM (PACS)  
MALFUNCTION HISTORY (12 PP)

JAN 78 RELEV 4

H-7308-1000-2036

NO0600-75-C-1107

REMARKS: REF. MTA 1107-77-020A

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

MICROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - CONTROLS

QUERY-PART NO. NHO003

OCT 17 1978

DOCUMENT  
NUMBER

CHARLES STARK DRAPER LABORATORY  
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPilot  
(MUDAP)-PHASE 1 FINAL REPORT

DOCAN, P.P.

GAMBER, F.S.

DECANIO, F.T.

RPT-745

NHO014-87-A-0204-0060

AD0003572

REMARKS: REF. TRIALS PLAN NHO64-P328(10-U07258)

CHARLES STARK DRAPER LABORATORY  
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPilot  
(MUDAP)-PHASE 11-FINAL REPORT

GAMBER, F.S.

MEDEIROS, R.

R-817

NHO014-74-C-0009

AD0005523

REMARKS: REF TRIALS PLAN NHO55B-P306 (10-U07250)

10-U05534 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 AND AGE-1 DEFINITION AND  
DEMONSTRATION OF INTERFACE BETWEEN (MUDAP)  
DIGITAL AUTOPilot AND HYDROFOILS (6 PP)  
O'NEILL, W.C.  
NHO41-4277

REMARKS: CANCELLED-NQ REPORT WRITTEN

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1/AGE-1 EVALUATION OF HEIGHT  
SENSOR IN SEA SPARRON MISSILE ENVIRONMENT (6 PP)  
MUSCUS, P.V.  
NHO44-4283

REMARKS: REF RPT 10-U07073

10-U07240 F

10-U07242 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - CONTROLS

QUERY-PART NO. MN0003

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) PCH-1 HARPOON TECHNICAL TRIALS, RELATED  
CORRESPONDENCE AND MISCELLANEOUS DATA

REMARKS: REF TRIALS PLAN NM051A-P302 (10-U07247)

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) FAILURE OF PLANE INVIEW (AEGEM-1) STARBOARD FOIL  
INCIDENCE LINK. 11 DECEMBER 1972  
TARNALL, P. MAR 73 RELEV 5

MEED 73-173-H98  
REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE  
AND HULL IMPACT. SEE DB NO. 10-U01911

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 HARPOON HEIGHT SENSOR  
COMPATIBILITY EVALUATION (23 PP)  
SAKTON, F.N.  
RUSCUS, P.V.

NM050A-P302  
REMARKS: REF REPORTS 10-U05438, 10-U05121,  
10-U0561, AND 10-U05436

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 EVALUATION OF HYDROFOIL DIGITAL  
AUTOPILOT (HUDAP) (30 PP)  
O'NEILL, W.C.

NM055B-P306  
REMARKS: REF RPT 10-U05534

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-HYDROFOIL SUNDSTRAND AHY-6 RADAR  
ALTIMETER-HEIGHT SENSOR EVALUATION  
MAY 74 RELEV 5

HY093-H325  
HY104-H341  
REMARKS: REPORT TO BE RELEASED. SEE TRIALS PLAN  
HY104-H341

10-U07263 W

10-U07247 F

10-U07250 F

10-U07161 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE RELEASER OR THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 6

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - CONTROLS

QUERY-PART NO. WMA003

OCT 17 1978

DOCUMENT  
NUMBER

10-U07258 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCB-1 EVALUATION OF SEPT. 1974  
HYDROFOIL DIGITAL AUTOPILOT (HUDAP) CONFIGURATION  
(130 PP)  
O'NEILL, W.C.  
NHO648-328

REMARKS: REF. RPT. DRAPER LAB-R745 (10-U02401)

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) FATIGUE LOADS FOR PHM CONTROL LINKAGES (120 PP)  
BUCKLEY, W.H.  
SEPT 74 RELLEV 2  
74-173-4187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PCM MOD-  
1 TRIALS DATA

10-U05684LM

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCB-1 HYDAP TESTS-EFFECTS OF VARING  
GAIN ON HULLBORNE MOTION (123 PP)  
O'NEILL, W.C.  
NHO608-3317

REMARKS: NO REPORT RELEASED

10-U07254 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) EFFECT OF MISSILE LAUNCH BLAST ON ACOUSTIC AND  
RADAR HEIGHT SENSORS (17 PP)  
RUSCUS, P.V.  
SAXTON, F.M.  
T&E-SDD-11-0-18  
ABD0068-46

REMARKS: REF TRIALS PLAN NHO44-H283 (10-U07242)

10-U07073LM

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) EFFECT OF MISSILE LAUNCH BLAST ON ACOUSTIC AND  
RADAR HEIGHT SENSORS (17 PP)  
RUSCUS, P.V.  
SAXTON, F.M.  
T&E-SDD-11-0-18  
ABD0068-46

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL R AND D TRIAL DOCUMENTATION SUMMARY  
TECHNICAL - CONTROLS

QUERY-PART NO. MHN003

OCT 17 1978

DOCUMENT  
NUMBER

DAVID M. TAYLOR NAVAL SHIP RAD CENTER 10-U07465 M  
(U) POSSIBLE INTERACTION BETWEEN PCM-1, MOD 1 AFT  
FOIL SYSTEM VIBRATION MODE AND AUTOMATIC CONTROL  
SYSTEM (6 PP)  
BUCKLEY, W.  
MEMO 75-173-M164  
NOV 75 RELEV 4

DAVID M. TAYLOR NAVAL SHIP RAD CENTER 10-U08605 LM  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL  
INITIATIVES  
BUCKLEY, W.H.  
MEMO 76-173-M146  
NOV 76 RELEV 2  
REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

DAVID M. TAYLOR NAVAL SHIP RAD CENTER 10-U08875 M  
(U) PLAINVIEW (AGEH-1) TECH. TRIALS LOG PACKAGES FOR  
THE PERIOD OF APR THRU 17 MAY 1977 VOYAGE NO.  
N-9, N-10, N-11, N-12, & N-13 (38 PP)  
MAY 77 RELEV 5

GRUMMAN AEROSPACE CORP. 10-U05055 M  
(U) PROCUREMENT SPECIFICATION SERVO ACTUATORS.  
ELECTRO-HYDRAULIC FOR FORWARD FOIL INCIDENCE  
CONTROL SYSTEM PLAINVIEW AGEH-1  
DEC 72 RELEV 4  
SPEC. 716-901-3  
N00008-72-C-0729  
REMARKS: REF TRIALS PLAN M7087-4288 (10-U07158)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

STRUCT/Foil  
systems

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 1

R AND D TRIALS DOCUMENTATION SUMMARY  
HYDROFOIL - TECHNICAL - STRUT AND FOIL

QUERY-FPART NO. MN0004

OCT 17 1978

DOCUMENT  
NUMBER

10-006957 F

BOEING CO.  
(U) STANDARD FOIL SYSTEM SURFACE/PROPELLER  
INSPECTIONS-AGEH-1 CANCELLATION OF (6 PP)  
MAY 72 RELEV 7  
MYSTU PLAN PER-0004

10-004822 N

BOEING CO.  
(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED  
EXPERIENCE  
COHN, R.  
FRENCH, M.  
WATSON, F.  
0221-11000-2  
N00600-71-C-0556  
REMARKS: FOR RECOMMENDATIONS FOR CRITERIA  
DEVELOPMENT. SEE BOEING DOC. D221-11000-3  
(DB/NO. 00-4820) CURRENTLY UNDER NAVY REVIEW.

APR 72 RELEV 1

BOEING CO.  
(U) TRIALS PLAN-AGEH-1 FORWARD FOIL INCIDENCE CONTROL  
LINKAGE COMPLIANCE MEASUREMENT (11 PP)  
MAY 72 RELEV 7  
BE187-A265  
REMARKS: NO REPORT REQUIRED (CANCELED)

10-006954 F

BOEING CO.  
(U) STATUS OF SPRAY SHIELD EVALUATION AND  
HYDRODYNAMIC OBSERVATIONS. INTERIM REPORT  
REIG, D.  
LTR-21508-1000-448  
N00600-69-C-0618  
REMARKS: REF TRIALS PLAN HY07B-A274 (10-007148) NO  
FINAL REPORT EVER RELEASED

10-001898 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 2

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

TECHNICAL - STRUT AND FOIL

QUERY-PART NO. MNH004

OCT 17 1978

DOCUMENT

NUMBER

BOEING CO.  
(U) SEARCH FOR STRUCTURALLY SIGNIFICANT SMOOTH WATER  
MANEUVERS ON PCW MOD-3 (6 PP)

AUG '72 RELEV 5  
LTR-2-1506-1000-886  
N00600-69-C-0618

REMARKS: LIST OF TAPES AND TIMES WHERE EXTREME  
MANEUVERS WERE EXPERIENCED. ALSO SUMMARY OF  
4/30/68 LOG IMPACT

BOEING CO.  
(U) MAIN STRUT EXTENSION/RETRACTION SYSTEM TEST

RESULTS JAN 73 RELEV 5  
SORENSEN, D.

LTR 2-1524-1000-835  
N00600-69-C-0618

REMARKS: INSUFFICIENT AND INCOMPLETE ANALYSIS AND  
DOCUMENTATION

BOEING CO.  
(U) STRUCTURAL INSPECTION-AGEH-1 PLAINVIEW PRE-ROUGH  
WATER TESTING (1972) (MST) PLAN BE129-A197

JAN 73 RELEV 4  
LTR 2-1524-1000-827  
N00600-69-C-0618

BOEING CO.  
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION  
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL  
LINKAGE FAILURE  
COLEMAN, J. T.  
TN-A-15  
N00600-69-C-0618  
REMARKS: ALSO SEE NSRDC MEMO, JS NO. 10-U2263

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

GUITAR-PART NO. MNN004

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) AGEM-1, AFT STRUT STRUCTURAL REVIEW, STATION 75  
TO 125  
ROUND. D.H.  
LTR 2-1524-1000-961  
NO0600-69-C-0618

BOEING CO.  
(U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL  
DIRECTIONAL STABILITY AND FLAT TURNING  
CHARACTERISTICS  
THUNASSON, R.E.  
PIEG, D.F.  
TN-A-11  
NO0600-69-C-0618

REMARKS: REF TRIALS PLAN BE132A-A241 (10-U06824)

BOEING CO.  
(U) INCIDENT CONTROL ROD LOADS AND FOIL ANGLE  
DISPLACEMENTS PLAINVIEW. AGEM-1  
ROUND. D.H.  
YOUNGSTROM, W.R.  
LTR 2-1524-1000-1074  
NO0600-69-C-0618

REMARKS: REF. HYSTU WTA NO. 0610-73-068A

BOEING CO.  
(U) STRUCTURAL MONITORING REQUIREMENTS FOIL AND STRUT  
INSTRUMENTATION SYSTEM HIGH POINT PCH-1 (MOD 1)15  
NOV 1973  
ROUND. D.H.  
LTR 2-1524-1000-1133  
NO0600-69-C-0618

REMARKS: REVISED

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

HYDROFOIL K AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. 0NN004

OCT 17 1978

DOCUMENT

NUMBER

10-005037 N

BOEING CO.  
(U) AGEM-1 PLAINVIEW. RESULTS OF PRE-ROUGH WATER  
TRIALS. PART A

CHANG, F.

TR-A-14

NO6600-69-C-0618

REMARKS: REF TRIALS PLAN BE152A-A273 (10-006922)

10-U75121 N

BOEING CO.  
(U) SHIP BEHAVIOR DURING HARMON/HYDROFOIL  
COMPATIBILITY TESTS ON HIGH POINT (PCH-1)

WAR '74

RELEV 4

LTR 2-1524-1000-1192

NO6600-69-C-0618

REMARKS: REF TRIALS PLAN CNW045-P305 (10-007247)

10-U55469 F

BOEING CO.  
(U) BOEING RECOMMENDED ITEMS FOR NSRDC WORKSHOP (JUNE

1974)

JUNE 74

RELEV 5

10-U05711 N

BOEING CO.  
(U) LATERAL BENDING MOMENT LOADS AND RUDDER TORQUES  
AFT STRUT. PLAINVIEW (AGEM-1). 1 AND 9 NOVEMBER

1972 (39 pp)

ROHMD. D.H.

LTR 2-1524-1000-333

NO6600-69-C-0618

REMARKS: REF TRIALS PLAN BE159A-A279 (10-006961).

CONTAINS DATA ON CYCLIC LOAD MEASUREMENTS

OBTAINED IN SEA STATE 3.

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 5

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. MNNG004

DOCUMENT

NUMBER

OCT 17 1978

BOEING CO. AFT NACELLE CRACKS, HIGH POINT (PCH-1) 274-1975

RAV (136 pp) 10-006245 N

ROUND, D.H. MAR 75 RELEV 2

LTR 2-1524-1000-1448

NO0360-75-N-9007

BOEING CO. INVESTIGATIONS OF BOLTS FROM PCH-1 MOD-1 (14 pp)

ROBERTS, E.C. APR 75 RELEV 4

METAL LAB RPT-5057

BOEING CO. WORK AND ANALYSIS PLAN FOR HYDROFOIL LOADS

CRITERIA SUPPORT-HIGH POINT (PCH-1) MOD 1: REPORT  
NO. 3 LOADING INCIDENTS-ROUGH WATER TRIALS. NOV-

DEC 1975 (25 pp)

ROUND, D.H. FEB 76 RELEV 5

LTR H-7308-1000-1706

NO0360-75-C-1107

REMARKS: A TABULATION OF HIGH OR UNUSUAL LOADING  
INCIDENTS DURING THE ROUGH WATER TRIALS OF PCH.

BOEING CO.

(U) HYDROFOIL COATINGS LOG (34 pp) 10-008973LM  
MARTIN, D.W. SEPT 76 RELEV 3

D324-51306-1

NO0167-76-N-8241

REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF  
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,  
FOILS, STRUTS.

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

AD-A102 138

WHEELER INDUSTRIES INC WASHINGTON D C  
ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM DOCUMENTATION REV--ETC(U)  
OCT 78

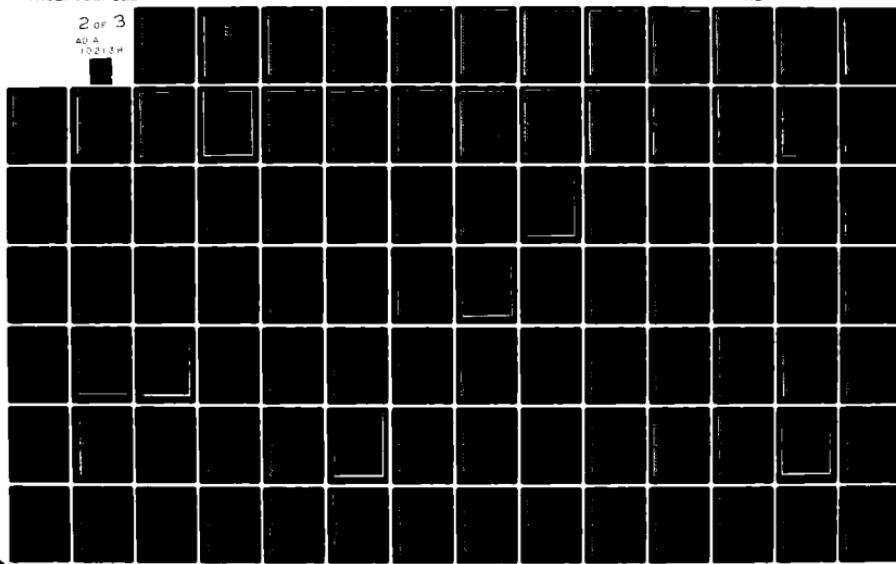
F/G 13/10

N00600-75-D-0799

NL

UNCLASSIFIED

2 OF 3  
40 8  
1021AH



SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. NM0004

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO. 10-U09953  
(U) ANALYSIS OF PEGASUS (PMB-11) AND HIGH POINT (PCH-1

HOOD-11) FOIL CAVITATION AND CAVITATION (33 PP)  
OCT 78 RELEV 4  
H-7520-7504-013

H00024-13-C-0357

REMARKS: REF TRIAL PLAN NM076-P334 (10-U09837)

BOLT BEARAK AND NEIMAN, INC. 10-C00974 M  
(U) MODEL AND SILENCING PROGRAM FOR UNDERWATER  
RADIATED NOISE FROM HYDROFOIL CRAFT (U) (107 PP)

SARULLIN, J. JAN 73 RELEV 4  
GOODS, C. RPT-2496  
H00600-72-C-0890

REMARKS: DRAFT

CHARLES STARK DRAPER LABORATORY 10-U02401LN  
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPILOT  
(HYDUDP)-PHASE I FINAL REPORT  
DECANIO, P.P.

GABBER, F.S.

DECANIO, P.T.

RPT-745

W00014-87-A-0204-0060

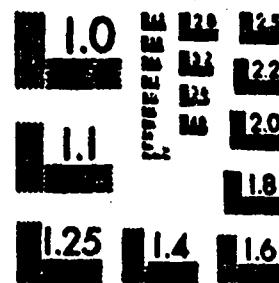
AD80015572

REMARKS: REF. TRIALS PLAN NM064-P328(10-U07250)

DAVID M. TAYLOR NAVAL SHIP R&D CENTER 10-UC7145 F  
(U) TRIALS PLAN-AGC-1 MAIN STRUT REVIRING AND  
STRUT/FOIL STRUT GATING (8 PP)  
JUNE 72 RELEV 7  
H-075-4-386

REMARKS: EQUIPMENT INSTALLED-HD REPORT REQUIRED

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRD. BUT  
REQUISITES FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THIS DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.



**MICROCOPY RESOLUTION TEST CHART**  
NATIONAL BUREAU OF STANDARDS 1944

SHIPS SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 7

SEARCH FOR  
HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. 100004

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP AND CENTER  
(U) TRIALS PLAN-AGEC-1 DESIGN AND INSTALLATION OF  
INSTALLATION OF LENGTHENED/STRENGTHENED HY-130  
PERMANENT STRUT SPRAY FENCES (15 pp)  
AUG 72 RELEV 7  
HY079-A274  
REMARKS: REF NPTS 10-001896 (FENCES WERE LATER  
REMOVED). NO FINAL REPORT RELEASED.

10-007148 F

DAVID W. TAYLOR NAVAL SHIP AND CENTER  
(U) TRIALS PLAN-AGEC-1 DESIGN FABRICATION AND  
INSTALLATION OF LENGTHENED/STRENGTHENED HY-130  
TAIL STRUT (9 pp)  
AUG 72 RELEV 8  
HY079-A276  
REMARKS: SEE GERMAN DESIGN AND CONSTRUCTION  
DOCUMENTATION

10-007148 F

DAVID W. TAYLOR NAVAL SHIP AND CENTER  
(U) MEASUREMENT OF AGEN STRUT-FOIL AND HULL DYNAMIC  
CHARACTERISTICS BY "PLUCK" TEST  
PEOPLES, J.R.  
TAC-SAD-13E-1986  
REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND  
EXPERIMENTAL TECHNIQUES

10-001230 M

DAVID W. TAYLOR NAVAL SHIP AND CENTER  
(U) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR  
T-FOILS ON SIX FULL-SCALE HYDROFOIL CRAFT  
BESCH, P.H.  
TH-SPD-246  
REMARKS: PHM DATA OUT OF DATE AS OF 02/73

10-001441M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINALS OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 8

HYDROFOIL S AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. HYD004

OCT 17 1978

DOCUMENT  
NUMBER

10-U02263 M

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(u) FAILURE OF PLATINUM (AGEH-11) STARBOARD FOIL  
INCIDENCE LINK. 11 DECEMBER 1972  
TAMMALL, P.  
NEDO 73-173-3298  
REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE  
AND HULL IMPACT. SEE DO NO. 10-U01911

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(u) TRIALS PLAN-AGEH-1 FLAP CONTROL SYSTEM (8 PPI  
APR 73 RELEV 3  
HYD07-A288  
REMARKS: REP RPTS 10-U05981, 10-U05985, 10-U02390,  
10-U02261 AND 10-U02407

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(u) SERVICE EXPERIENCE OF STRUT AND FOIL DAMAGE ON  
NAVY HYDROFOILS (9 PPI)  
RABEL, C.R.  
NEDO HF-114/ 9506-1 GEN  
REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A  
COMPREHENSIVE TREATMENT

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(u) TRIALS PLAN-PCH-1 800-1 CALM WATER STRUCTURAL  
TESTS (27 PPI)  
BUCKLEY, W.H.  
NED09-P294  
REMARKS: REP RPTS 10-U05948, 10-U08394, 10-U05847,  
AND 10-U05118

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(u) TRIALS PLAN-COATING SYSTEM STUDIES FOR THE  
CORROSION PROTECTION OF HY-130 STEEL (27 PPI)  
HYD01-H003  
REMARKS: REP RPT 10-U06617

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 9

HYDROFOIL, R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. 100004

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-002802 R  
(U) RESULTS OF INSPECTION OF AGM-1 PLAINVIEW STRUTS  
AND FOILS, DURING SEPTEMBER 17-21, 1973  
JOHNSON, R.E. OCT 73 REL/EV 5  
NEDO CODE-173-2

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-005038 R  
(U) HIGH POINT, PCN-1 MDO 1 DEBRIS AVOIDANCE INCIDENT  
ON 5 DECEMBER 1973 FEB 74 REL/EV 4  
YARNALL, P.  
NEDO CODE-173-3

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-004998 R  
(U) RESULTS OF VISIT TO MYSTI, BOFING NAVAL SYSTEMS  
DIVISION AND PRELIMINARY RESULTS OF PCN-1 MDO 1  
CALM WATER STRUCTURAL TRIALS, FEBRUARY 20-26,  
1974 BUCKLEY, V.H. MAR 74 REL/EV 5  
NEDO CODE-173-3

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-005048 R  
(U) ADEQUACY OF PCN-1 MDO 1 FORWARD STRUT DESIGN  
LOADS BUCKLEY, V.H. APR 74 REL/EV 2  
NEDO 173-3000, 74-173-3776  
REMARKS: REF TRIALS PLAN NED049-2294 (10-007245)

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-005118 R  
(U) PRELIMINARY RESULTS OF PCN-1 MDO 1 ROUGH WATER  
TRIALS (STRUCTURAL DATA) BUCKLEY, V.H. APR 74 REL/EV 4  
74-173-302

REMARKS: REF TRIALS PLAN NED049-2210 (10-007249).  
NEDO ALSO REVIEWS STRUCTURAL DETAILS OF MDO-1  
CONTROL SYSTEM

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
RECORDS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTERS OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 10

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERT-POINT NO. 00004

OCT 17 1978

DOCUMENT NUMBER

10-005110 F

10-005120 M

10-005277 M

10-005461 M

10-005776

10-005831 M

10-005931 M

10-006031 M

10-006131 M

10-006231 M

10-006331 M

10-006431 M

10-006531 M

10-006631 M

10-006731 M

10-006831 M

10-006931 M

10-007031 M

10-007131 M

10-007231 M

10-007331 M

10-007431 M

10-007531 M

10-007631 M

10-007731 M

10-007831 M

10-007931 M

10-008031 M

10-008131 M

10-008231 M

10-008331 M

10-008431 M

10-008531 M

10-008631 M

10-008731 M

10-008831 M

10-008931 M

10-009031 M

10-009131 M

10-009231 M

10-009331 M

10-009431 M

10-009531 M

10-009631 M

10-009731 M

10-009831 M

10-009931 M

10-010031 M

10-010131 M

10-010231 M

10-010331 M

10-010431 M

10-010531 M

10-010631 M

10-010731 M

10-010831 M

10-010931 M

10-011031 M

10-011131 M

10-011231 M

10-011331 M

10-011431 M

10-011531 M

10-011631 M

10-011731 M

10-011831 M

10-011931 M

10-012031 M

10-012131 M

10-012231 M

10-012331 M

10-012431 M

10-012531 M

10-012631 M

10-012731 M

10-012831 M

10-012931 M

10-013031 M

10-013131 M

10-013231 M

10-013331 M

10-013431 M

10-013531 M

10-013631 M

10-013731 M

10-013831 M

10-013931 M

10-014031 M

10-014131 M

10-014231 M

10-014331 M

10-014431 M

10-014531 M

10-014631 M

10-014731 M

10-014831 M

10-014931 M

10-015031 M

10-015131 M

10-015231 M

10-015331 M

10-015431 M

10-015531 M

10-015631 M

10-015731 M

10-015831 M

10-015931 M

10-016031 M

10-016131 M

10-016231 M

10-016331 M

10-016431 M

10-016531 M

10-016631 M

10-016731 M

10-016831 M

10-016931 M

10-017031 M

10-017131 M

10-017231 M

10-017331 M

10-017431 M

10-017531 M

10-017631 M

10-017731 M

10-017831 M

10-017931 M

10-018031 M

10-018131 M

10-018231 M

10-018331 M

10-018431 M

10-018531 M

10-018631 M

10-018731 M

10-018831 M

10-018931 M

10-019031 M

10-019131 M

10-019231 M

10-019331 M

10-019431 M

10-019531 M

10-019631 M

10-019731 M

10-019831 M

10-019931 M

10-020031 M

10-020131 M

10-020231 M

10-020331 M

10-020431 M

10-020531 M

10-020631 M

10-020731 M

10-020831 M

10-020931 M

10-021031 M

10-021131 M

10-021231 M

10-021331 M

10-021431 M

10-021531 M

10-021631 M

10-021731 M

10-021831 M

10-021931 M

10-022031 M

10-022131 M

10-022231 M

10-022331 M

10-022431 M

10-022531 M

10-022631 M

10-022731 M

10-022831 M

10-022931 M

10-023031 M

10-023131 M

10-023231 M

10-023331 M

10-023431 M

10-023531 M

10-023631 M

10-023731 M

10-023831 M

10-023931 M

10-024031 M

10-024131 M

10-024231 M

10-024331 M

10-024431 M

10-024531 M

10-024631 M

10-024731 M

10-024831 M

10-024931 M

10-025031 M

10-025131 M

10-025231 M

10-025331 M

10-025431 M

10-025531 M

10-025631 M

10-025731 M

10-025831 M

10-025931 M

10-026031 M

10-026131 M

10-026231 M

10-026331 M

10-026431 M

10-026531 M

10-026631 M

10-026731 M

10-026831 M

10-026931 M

10-027031 M

10-027131 M

10-027231 M

10-027331 M

10-027431 M

10-027531 M

10-027631 M

10-027731 M

10-027831 M

10-027931 M

10-028031 M

10-028131 M

10-028231 M

10-028331 M

10-028431 M

10-028531 M

10-028631 M

10-028731 M

10-028831 M

10-028931 M

10-029031 M

10-029131 M

10-029231 M

10-029331 M

10-029431 M

10-029531 M

10-029631 M

10-029731 M

10-029831 M

10-029931 M

10-030031 M

10-030131 M

10-030231 M

10-030331 M

10-030431 M

10-030531 M

10-030631 M

10-030731 M

10-030831 M

10-030931 M

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 11

HYDROFOIL II AND D TRIALS DOCUMENTATION SUMMARY

TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WNO004

OCT 17 1970

DOCUMENT

NUMBER

10-U05532 M

10-U07298 F

DAVID M. TAYLOR NAVAL SHIP R&D CENTER

(U) COATINGS FOR PCM-1 HIGH POINT STRUT/FOILS  
NETTY, J.J.  
MNO02-2003  
MNO02-2003

10-U07298 F

DAVID M. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCM-1 MOVIES OF STRUCTURAL MANEUVERS  
(17 PP)  
YANNAI, P.  
MNO02-1924C  
REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL  
CANCELED 121116319:109227200219100

10-U07297 F

DAVID M. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCM-1 STRUCTURAL INSTRUMENTATION  
INSTALLATION (124 PP)  
YANNAI, P.  
MNO03-1927C  
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

10-U07297 F

DAVID M. TAYLOR NAVAL SHIP R&D CENTER

(U) FATIGUE LOADS FOR PCM CONTROL LIMITATES (120 PP)  
BUCKLEY, M.N.  
74-172-4187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PCM 800-

1 TRIALS DATA

10-U05584 M

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) CRACKS IN THE PROPULSION PODS OF HIGH POINT (PCM-  
1 MDO-1)  
YANNAI, P.  
74-172-4208  
REMARKS: NO DOCUMENTATION

10-U05770 M

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) NO DOCUMENTATION

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PURCHASED FROM NSRDC. PARTICIPANTS DATA BASE BASIS.

SWAMP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 12

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. 000004

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIP REPORT TO MYSTU AND BOEING (RE: AGEM  
FOIL/STRUT INSPECTION) PC-1 AGEM-1 TRIALS SUMMARY  
(21 pp)  
YANNAI, P.  
NOV 74 RELEVE 8  
JAD/74-173-321

10-0003451F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER

(U) TRIALS PLAN-PCH-1 FLAP EFFECTIVENESS-STATIC  
DYNAMIC DURING MANEUVERS AND FOLLOWING BROACHING  
(27 pp)  
O'NEILL, W.C.  
NOV 74 RELEVE 8

REMARKS: NO REPORT RELEASED

10-007259 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) RESULTS OF PRELIMINARY VIBRATION SURVEY OF PCH-1  
PROPELLER GEAR BOX. NOV. 12-14, 1974 (13 pp)  
YANNAI, P.  
NOV 74 RELEVE 4  
74-173-3224

10-007260 N

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) MODIFICATION TO MYSTU PLANS DUE TO INCREASED  
STRUCTURAL INSTRUMENTATION ON HIGH POINT (3 pp)  
YANNAI, P.  
NOV 74 RELEVE 4  
74-173-3224

10-000360 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) HYDROFOIL DEFLUX IMPACT HISTORY (3 pp)  
LTH 3000/HYDRO HP-21  
NOV 74 RELEVE 7

10-000361

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
ARE AVAILABLE TO DEFENSE PARTICIPANTS ON A CASE-BY-CASE BASIS.

SNAP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 13

HYPONAUTIC A AND D TRIALS DOCUMENTATION SUMMARY

QUEST-PART NO. 000004

OCT 17 1978  
DOCUMENT NUMBER

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(u) PERTINENT RESULTS OF PCH-1 PROPELLER GEAR BOX  
STRAIN MEASUREMENTS DURING POST RAD CHECKOUT  
13211731 AND IN-AIR TESTS (12/15/78) (18 PPI)  
BUCHLEY, W.H.  
75-173-009

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(u) INSPECTION OF 055 HIGH POINT (PCH-1) STRUT FOIL  
COATING ON 14 1978 (12 PPI) JULY 78 RELEV 4  
NELLY, J.J.  
MEMO 75-009  
REMARKS: REF TRIALS PLAN HY091-44303 (10-U07159)

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(u) NACELLE & FOIL SYSTEM BOLTS, REPLACEMENT OF (1  
PPI)  
OCT 7 78 RELEV 4  
75-173-0149  
REMARKS: REF WTA 0610-75-013P

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(u) POSSIBLE INTERACTION BETWEEN PCH-1, RAD 1-APT  
FOIL SYSTEM VIBRATION MODE AND AUTOMATIC CONTROL  
SYSTEM (8 PPI)  
BUCHLEY, W.  
MEMO 75-173-0164

10-066368 N

10-066117 N

10-069822

10-077468 N

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. ALL  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE COORDINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 14

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. MM0004

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) REPORT OF VISIT TO BOEING RENTON PLANT 10/28,  
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/28  
10/29, AND VISIT TO NICKUR AND SPAULDING  
ASSOCIATES 10/29 (4 PP)  
BUCKLEY, W. NOV 78 RELEV 4  
LTR-78-73-4102  
NO0600-78-C-1107

10-U07438 LM

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) REVIEW OF CONTRACTOR FATIGUE LOADS FOR UPPER END  
OF PHM-1 / PHM-3 FORWARD ST. JUT (16 PP)  
BUCKLEY, W. DEC 78 RELEV 4  
BEND 79-173-127

10-U07438 LM

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) CHARACTERIZATION OF HYDROFOIL COATINGS ON THE  
BASIS OF ADHESION STRENGTH & PROTON RESISTANCE  
(80 PP)  
BOHLANDER, G.S.  
PREISEN, H.S.  
RPT-78-0048  
AD8011562

10-U07438 LM

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL I & VOL II  
(U)  
JUNE 78 RELEV 1  
TN-SDP-11B-18  
REMARKS: REF 08/10 10-800168

10-C9108 LM

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 15

SEARCH FOR  
HYDROFOIL S AND D TRIALS DOCUMENTATION SUMMARY

QUART-PIAT NO. 590004

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) UNSTEADY LOADS ON PCN-1 MOD-1 AFTER FOIL SYSTEM  
(113 pp)  
GILL, D.E.  
JUN 78 RELEV A  
76-173-8107

10-007725 N

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) REVIEW OF PCN-1 FOIL SYSTEM VIBRATION INFORMATION  
FOR USE IN PREPARATION OF VIBRATION SURVEY TRIALS  
PLAN (48 pp)  
YARNALL, P.  
AUG 78 RELEV S  
LTR-78-173-8102

10-008821 N

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCN-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR  
PHN-1 DATA (63 pp)  
SEPT 78 RELEV 4  
LTR-78-173-8123  
REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE  
MANEUVERS AND FORWARD FOIL BROACHES.

10-008855 N

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCN-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR  
PHN-1 DATA (63 pp)  
GILL, D.E.  
SEPT 78 RELEV 4  
LTR-78-173-8129  
REMARKS: REF TRIALS PLAN 59049-P294 (10-007249)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTERS OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 16

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. WH0004

DOCUMENT NUMBER

10-U08605LM

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG-TERM STRUCTURAL  
INITIATIVES

BUCKLEY, W.H.

MEMO 76-173-4146

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

DOC 17 1978

10-U09837

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-CH-1 FORWARD FOIL CAVITATION  
VERIFICATION TRIAL (INCLUDES AGENDA) (32 PP)  
NOV 76 RELEV 5

MEMO 76-P334

REMARKS: RPT. DUE

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) RESULTS OF VISIT TO BOEING (NSD) 4/26-28 REVIEW  
OF PHM-3 SERVICE LOADS & PCH-1 (ACO-1) KING POST  
PATIGUE ANALYSIS (8 PP)  
BUCKLEY, W.H.  
LTA-77-173-4099

10-U08605LM

RELEV 4

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) CALM WATER RED LINE VALUES FOR ACHM-1 MAIN FOIL  
STRAIN GAGES (8 PP)  
YARNAIL, P.  
MEMO 77-173-4133  
REMARKS: ALSO INCLUDES MEMO 77-173-4150 WHICH AMENDS  
MEMO 77-173-4133.

10-U08605LM

RELEV 4

10-U08605LM

RELEV 4

10-U08605LM

RELEV 4

10-U08605LM

RELEV 4

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) IMPROVED SET OF PCH-1 NSD-1 FORWARD STRUT LOAD  
CALIBRATION EQUATIONS (8 PP)  
GILL, D.E.  
MEMO 77-173-4174

10-U08605LM

RELEV 5

10-U08605LM

RELEV 5

10-U08605LM

RELEV 5

10-U08605LM

RELEV 5

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE DIRECTORATE OF THAT DOCUMENT. MICROFICHE COPIES  
ARE AVAILABLE ON REQUEST. THIS REPORT IS UNCLASSIFIED

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 17

SEARCH FOR  
HYDROFOIL & AND A TRIALS DOCUMENTATION SUMMARY:  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. MN0004

DOCUMENT  
NUMBER

10-099542 N  
OCT 17 1978

DAVID N. TAYLOR NAVAL SHIP R&D CENTER  
(U) REVIEW OF FLIGHT SAFETY REQUIREMENTS FOR  
STRUCTURAL INSTRUMENTATION ON PLAINVIEW (AGEM-1)  
(19 PP)  
VARNALL, P.  
MEND 77-173-0176

DAVID N. TAYLOR NAVAL SHIP R&D CENTER  
(U) COMMENTS ON HYSTU PLAN "TRP COMPOSITE FOIL FLAP"  
(2 PPI)  
VARNALL, P.  
LTP-77-173-0213

DAVID N. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEM-1 CALM WATER FOIL LOAD  
CHARACTERISTICS-PART A (182 PP)  
SEACH, J.E.  
MEND 77-1227

REMARKS: NO REPORT

GRUMMAN AEROSPACE CORP.  
(U) PROCUREMENT SPECIFICATION SERVO ACTUATORS,  
ELECTRO-HYDRAULIC FOR FORWARD FOIL INCIDENT  
CONTROL SYSTEM PLAINVIEW AG(EM)-1  
SPEC. 718-901-3  
NOG408-72-C-0729

REMARKS: REP TRIALS PLAN HY987-A288 (10-097198)

GRUMMAN AEROSPACE CORP.  
(U) ANALYSIS OF AG(EM)1 PROTOTYPE FORWARD FOIL LIFT  
AND WEIGHT DATA  
WRIGHT, H.R.  
NOTE AG-13

REMARKS: A GOOD CRITIQUE AND ANALYSIS OF TRIAL DATA  
AND COMPARED WITH MODEL AND THEORETICAL ANALYSIS.

10-099597 N

10-097230 P  
OCT 77 REL 4

10-099555 N

10-097227 N  
OCT 77 REL 4

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

## SHAF SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 18

## SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. SHAF004

OCT 17 1978

DOCUMENT  
NUMBERGRUMMAN AEROSPACE CORP.  
HYDRODYNAMIC PROFILE AG-14 AG(EM)INCIDENCE HINGE  
EXPERIMENT

WRIGHT, H.A.

NOTE AG-14

NO0014-71-C-0169

10-U02388 R  
(U) HYDRODYNAMIC PROFILE AG-14 AG(EM)INCIDENCE HINGE  
DESIGN FOR FLAP-CONTROLLED FOIL

FEB 73 RELEV 4

RPT 72-774(U)

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

GRUMMAN AEROSPACE CORP.

(U) AG(EM)-1 WEIGHT CHARGE SUMMARY-FLAP CONTROL  
SYSTEM

RPT 718-901-5

NO0406-72-C-0729

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

10-U02391 R

(U) PROPOSAL FOR AG(EM) AUTOMATIC CONTROL SYSTEM

FOR FLAP-CONTROLLED FOIL

FEB 73 RELEV 7

RPT 72-774(U)

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

GRUMMAN AEROSPACE CORP.

(U) DETAILED DESIGN OF AG(EM) FORWARD FOIL FLAP  
CONTROL SYSTEM

RPT 718-901-6

NO0406-72-C-0729

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

10-U02390 R

(U) AG(EM) FLAP LIFT CONTROL SYSTEM STRESS ANALYSIS

APR 73 RELEV 3

RPT 718-901-6

NO0406-72-C-0729

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156) - A  
NEW VOLUMINOUS REPORT (6 INCHES THICK)

GRUMMAN AEROSPACE CORP.

(U) AG(EM) FLAP LIFT CONTROL SYSTEM STRESS ANALYSIS

APR 73 RELEV 3

RPT 718-901-6

NO0406-72-C-0729

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156) - A  
NEW VOLUMINOUS REPORT (6 INCHES THICK)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT 1000C. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THE DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 19

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - STRUT AND FOIL

QUERY-PART NO. 18N0004

DOC 17 1978

DOCUMENT  
NUMBER

NAVARO ISLAND NAVAL SHIPYARD 10-00091 8

(U) HYDROFOIL COATINGS PROJECT USS HIGH POINT (PCH-11)  
FOIL INSPECTIONS AND REQUIRMENTS-SUMMARY

REPORT COVERING PERIOD 9/69-9/71

JUNE 72 RELEV 3

10-134-9-71

REMARKS: REF TRIALS PLAN NO023-P102 (10-007276)

NAVARO ISLAND NAVAL SHIPYARD 10-001851 F

(U) COATING DEVELOPMENT FOR HYDROFOILS- PROGRESS  
REPORT-MARCH 1973

MAR 73 RELEV 5

10-134-9-54

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

MATERIALS

SHIPS SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

HYDROFOIL & DETAILED DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

CHIEF REPORTER: DR. J. MCGOWAN

DATE 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) STANDARD FOIL SYSTEM SURFACE/PROPELLER  
INSPECTION (AGEN-1) CANCELLATION OF (6 PPI)  
HYDROFOIL PLATE 86190-AC

10-000997 4  
10-002578 N  
(U) STRUCTURAL INSPECTION-AGEN-1 PLAINVIEW HYDROFOIL  
Water Testing (1972) HYDRO PLATE 86190-1971  
LTR 2-1974-1000-027  
N00600-86-C-0618

BOEING CO.  
(U) EXFOLIATION CORROSION INSPECTION REPORT, OUTER  
SEAL/BOOT TOP AREA, PLAINVIEW, AGEN-1, 16 FEB  
1973  
LTR 2-1974-1000-027  
N00600-86-C-0618

10-001991 N  
10-002545 N

BOEING CO.  
(U) AFT MACH 2 CRACKS, HIGH POINT (PCH-11, 1974-1975  
RAY (36 PPI)  
ROUND, D.H.  
LTR 2-1974-1000-1448  
N00600-73-8-5007

10-005784  
10-003245 N

BOEING CO.  
(U) INVESTIGATIONS OF BOLTS FROM PCH-1 N001-114 PPI  
ROBERTS, E.C.  
APR 75  
N00600-73-8-5057

UNCLASSIFIED: INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

QUERY-PART NO. MM6005

OCT 17 1978

DOCUMENT  
NUMBER

10-008973LM

BOEING CO.  
(U) HYDROFOIL COATINGS LOG (34 PP)  
MARTIN, G. N.  
0322-51368-1  
NOV 067-78-4-8241

REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF  
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,  
FOILS, STRUTS.

BOEING CO.  
(U) FATIGUE ANALYSIS OF THE PCH-1 KING POST (45 PP)  
ROUND, D. N.  
RPT-6  
NOV 060-78-4-8241

RELEV 4

BOEING CO.  
(U) FAILED AGCH-1 PROPELLER N & METALLURICAL  
LABORATORY SUPPORT (7 PP)  
ROBERTS, E.  
2-3618-0078-278  
NOV 060-78-C-1107

RELEV 4  
REMARKS: REF-STA-1107-77-010A & D/B NO. 10-008927

BOEING CO.  
(U) AGCH-1 FAILED PROPELLER BLADE FATIGUE TEST  
LABORATORY TEST REPORT (8 PP)  
ROBERTS, E.  
2-3618-0078-048  
NOV 060-78-C-1107

RELEV 4  
REMARKS: REF-STA-1107-77-010A-REV-1 & D/B NO.  
10-008928

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 3

SEARCH FOR

HYDROFOIL A AND B TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

QUERY-PART NO. 10000005

OCT 17 1978  
DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) REPORT OF EXAMINATION OF NON-METALLIX PIPING  
AFTER 18 MONTHS OF SEA WATER SERVICE IN PCH-1  
SCHAB, H.W. JAN 72 REL/EV 4  
MEMO CODE-2707  
REMARKS: REF TRIALS PLAN NAO07-P121

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 STUDY OF PRG AND GRP  
PIPING/VALVES FOR SEAMASTER SYSTEMS (9 PP)  
SCHAB, H.W. JAN 72 REL/EV 5  
NAO07-P121  
REMARKS: REF REPORT 10-U01965

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 CONTINUATION OF DOCUMENTATION  
AND REPORTING ON SELECTION, APPLICATION AND  
PERFORMANCE OF PROTECTIVE COATINGS ON FOIL AND  
PROPELLERS (4 PP)  
BESFORD, G. JUNE 72 REL/EV 7  
NAO23-PI08  
REMARKS: REF REP 10-U02091

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-AGE-1 DESIGN FABRICATION AND  
INSTALLATION OF LENGTHENED/STRENGTHENED HY-130  
TAIL STRUT (9 PP)  
AUG 72 REL/EV 9  
HY079A-A276  
REMARKS: SEE GRUMAN DESIGN AND CONSTRUCTION  
DOCUMENTATION

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHIP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

HIGHLIGHT R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

QUART-PART NO. M4005 OCT 19 1978

DOCUMENT NUMBER

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-AGH-1 IMPROVED FIRE FIGHTING SYSTEM  
114 PPI

GUSTAFSON, R.

NA220-A281

REMARKS: REF RPT 10-061235

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) FATIGUE DAMAGE SURVEY OF EXISTING HIGH  
PERFORMANCE SURFACE SHIPS (14 PPI)  
JOHNSON, R.E.  
7N-30-173-238

10-063840 M

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIP REPORT-FIELD APPLICATION OF THREE CANDIDATE  
NON-SLIP. DECK-COVERING SYSTEMS ON INTERIOR  
ALUMINUM DECK OF USS PLAINVIEW AGH-1 AS  
EXPERIMENTAL TEST PATCHES

DAYANG, S.H.

APR 73 RELEV 4  
MEND CODE-28411SHD D

10-062412 M

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-COATING SYSTEM STUDIES FOR THE  
CORROSION PROTECTION OF HY-130 STEEL (27 PPI)  
SEPT 73 RELEV 5  
HY091-H303

REMARKS: REF RPT 10-066817

DAVID M. TAYLOR NAVAL SHIP RAD CENTER  
(U) RESULTS OF INSPECTION OF AGH-1, PLAINVIEW STRUTS  
AND FOILS, DURING SEPTEMBER 17-21, 1973  
JOHNSON, R.E.  
MEND CODE-173-2

10-062802 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

QUERY-PART NO. MM0005

DOCUMENT NUMBER  
OCT 17 1978

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PRELIMINARY RESULTS OF PCH-1 MOD 1 ROUGH WATER  
TRAILS (STRUCTURAL DATA)  
SUCHLEY, M.M.  
74-173-M62

REMARKS: REF TRIALS PLAN MM00548-P310 (10-007249).  
MEMO ALSO REVIEWS STRUCTURAL DETAILS OF NO0-1  
CONTROL SYSTEM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) INSPECTION TRIP TO U. S. NAVY HYDROFOIL  
PLATINUM (AGEW-1112-14 OCT 1973 (TRIP REPORT)  
JOHNSON, W.S.  
LTR 74-173-99;173:WSU

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) COATINGS FOR PCH-1 HIGH POINT STAB/FOILS  
HELLY, J.O.  
MEMO COOG-8803

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP  
HELD JUNE 12-13 1974  
SEPT 74  
LTR 113:DC:19080 OF 18 SE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIP TO HUSTU AND BOEING (RE: AGEN  
FOIL/STRUCT INSPECTION;PCH-1 MOD-1 TRIALS SUMMARY  
(21 PP)  
YAPNALL, P.  
JAD/74-173-M621

10-0053282 N

10-0053282 N

10-0053282 N

10-0053282 N

10-0053282 N

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 0

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

QUERY-PART NO. M00005

OCT 17 1978

DOCUMENT  
NUMBER

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) INSPECTION OF USS HIGH POINT (PCN-11) STRUT FOIL  
COATING ON 14 JULY 1975 (2 PP)  
KELLY, J.J.  
BENO 75-085  
REMARKS: REF TRIALS PLAN HY001-H303 (110-007189)

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) NACELLE & FOIL SYSTEM B0175, REPLACEMENT OF 11  
PP  
OCT 78 RELLEV 4  
75-173-8149  
REMARKS: REF WTA 0610-75-013P

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) REPORT OF VISIT 10, BOILING RENTON PLANT 10/26.  
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/26 AND  
10/29. AND VISIT TO NICKUM AND SPAULDING  
ASSOCIATES 10/29 (4 PP)  
BUCKLEY, W.  
LTR-75-173-8162  
K00600-75-C-1107

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) REVIEW OF CONTRACTOR FATIGUE LOADS FOR UPPER END  
OF PHM-1/PHM-3 FORWARD STRUT (18 PPI)  
FUCKELT, W.  
BENO 75-173-177

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) REVIEW OF CONTRACTOR FATIGUE LOADS FOR UPPER END  
OF PHM-1/PHM-3 FORWARD STRUT (18 PPI)  
FUCKELT, W.  
BENO 75-173-177

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) CHARACTERIZATION OF HYDROFOIL COATINGS ON THE  
BASIS OF ADHESION STRENGTH & EROSION RESISTANCE  
180 PPI  
DOHLANDER, G.S.  
PREISER, H.S.  
APR 78 RELLEV 2  
AP1-78-0048  
AD0011563

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE  
BY CASE BASIS.

SNAP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 7

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

QUERY-PART NO. SHM005

OCT 17 1978

DOCUMENT  
NUMBER

DAVID B. TAYLOR NAVAL SHIP R&D CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART 1  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL 11  
(U)

JUNE 78 RELEV 1

TM-500-118-18  
REMARKS: REV 08/00 10-800188

DAVID B. TAYLOR NAVAL SHIP R&D CENTER  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL  
INITIATIVES

BUCKLEY, W. H.  
MEMO-78-173-8146  
NOV 78 RELEV 2

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

MARSH ISLAND NAVAL SHIPYARD  
(U) HYDROFOIL COATINGS PROJECT USS HIGH POINT (PCH-1)  
FOIL INSPECTIONS AND REFURBISHMENTS-SUMMARY  
REPORT COVERING PERIOD 9/89-9/71  
JUNE 72 RELEV 3

TM-134.5-71  
REMARKS: REV TRIALS PLAN MAC033-P102 (10-997276)

MARSH ISLAND NAVAL SHIPYARD  
(U) COATING DEVELOPMENT FOR HYDROFOILS-PROGRESS  
REPORT-MARCH 1973  
MAR 73 RELEV 3  
LTN 134.5-54

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 0

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
TECHNICAL - MATERIALS

QUERY-PART NO. 00000000000000000000000000000000

OCT 17 1978

DOCUMENT  
NUMBER

10-U02508 1

SPETGENS, W. J.  
(U) REVIEW AND UPDATING OF PREVIOUS INTERIM REPORTS  
AND CORRECTIVE MODIFICATION FOR TORSIONAL  
VIBRATION PROBLEM HYDROFOIL PLATINUM (AGEH-11)  
SPETGENS, T. H.  
C1988-4  
MAY 73 REL/EV 4

NO006-72-C-0527

REMARKS: ALSO SEE NSRDC TECH NOTE ON SAME SUBJECT.

DB NO 10-002479

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE OFFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

STANISLAW  
MISSIMI

WEAPONS

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

1 PAGE

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

MISSION - WEAPONS

QUERY-PART NO. MN0006 OCT 17 1976

BOEING CO. DOCUMENT NUMBER  
(U) REPORT ON SHIP BEHAVIOR DURING TORPEDO TRIAL NO. 10-U06655 M  
72MA252 ON PLAINVIEW

MAR 72 RELEV 4  
LTR 2-1508-1000-575

NO0600-89-C-0618

REMARKS: REF TRIALS PLAN MN034-A252 (10-U07234)

BOEING CO. DOCUMENT NUMBER  
(U) SHIP BEHAVIOR DURING SEA SPARROW/HYDROFOIL 10-U02145 M  
COMPATIBILITY TESTS ON PLAINVIEW (AGEH-1)

MAY 73 RELEV 4  
LTR 2-1524-1000-949

NO0600-89-C-0618

REMARKS: REF TRIALS PLAN MN0401-A272 (10-U07239)

BOEING CO. DOCUMENT NUMBER  
(U) REPORT ON SHIP BEHAVIOR DURING SEA 10-U05557 M  
SPARROW/HYDROFOIL COMPATIBILITY TESTS ON

PLAINVIEW (AGEH-1)

MAY 73 RELEV 4  
LTR 2-1524-1000-949

NO0600-89-C-0618

BOEING CO. DOCUMENT NUMBER  
(U) SHIP BEHAVIOR DURING HARPOON/HYDROFOIL 10-U05121 M  
COMPATIBILITY TESTS ON HIGH POINT (PCH-1)

MAR 74 RELEV 4  
LTP 2-1524-1000-1192

NO0600-89-C-0618

REMARKS: REF TRIALS PLAN CHN045-P305 (10-U07247)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - WEAPONS

QUERY-PART NO. UNNC08

OCT 17 1978

DOCUMENT  
NUMBER

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) SUMMARY OF HYDROFOIL PARTICIPATION IN FLEET  
EXERCISES (U/15 PP)

RABEL, C.R. JULY 72 RELEV 3  
REMARKS: REF TRIALS PLAN NEE206-P226 (10-U07188)

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEM-1 TORPEDO COMPATIBILITY  
EVALUATION-PHASE 1 (19 PP)

SPURRAY, J.E. SEPT 72 RELEV 5  
NNO34-2252

REMARKS: REF RPTS 10-U06655, 10-C00400 AND 10-U01221

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1/AGEH-1 EVALUATION OF HEIGHT  
SENSOR IN SEA SPARRON MISSILE ENVIRONMENT (6 PP)

RUSCUS, P.V. DEC 72 RELEV 5  
NNO44-203

REMARKS: NEE RPT 10-U07073

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCH-1 HARPOON TECHNICAL TRIALS, RELATED  
CORRESPONDENCE AND MISCELLANEOUS DATA

73 RELEV 5  
REMARKS: REF TRIALS PLAN NNO51A-P302 (10-U07271)

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 HARPOON HEIGHT SENSOR  
COMPATIBILITY EVALUATION (23 PP)

SATCH, F.N. ALQ 73 RELEV 5  
RUSCUS, P.V.  
NNO51A-P302

REMARKS: REF REPORTS 10-U05438, 10-U05121,  
10-U05561, AND 10-U05438

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - WEAPONS

QUERY-PART NO. WNO006

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 SEA SPARROW HYDROFOIL  
COMPATABILITY EVALUATION (66 PP)

RABEL, C.R.  
NNO40A-A272  
REMARKS: REF RPTS 10-C00543, 10-U02145, 10-U05395  
AND 10-U02142

10-U07239 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 HARPOON CANISTER LAUNCHER  
EVALUATION AND INTERFACE INVESTIGATION (11 PP)  
RABEL, C.R.  
NNO45-P305  
REMARKS: REF RPTS 10-U02651, 10-U05175, 10-C00733,  
10-U0551, 10-U05426, 10-U05438, 10-U05549,  
10-U05533, 10-U05559, 10-U05121, AND 10-U05603

10-U07243 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) HARPOON/HIGH POINT TRIALS : SUMMARY OF STRUCTURAL  
SUPPORT ACTIVITIES  
YARNALL, P.  
LTR-74-173-MB2  
REMARKS: REF TRIALS PLAN NNO51A-P302 (10-U07247) AND  
NNO45-P305 (10-U07243)

10-U05395 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TRIALS  
YARNALL, P.  
MEMO CODE-173: PY-74-173-M  
REMARKS: REF TRIALS PLAN NNO40A-A27 (10-U07239)  
DOCUMENTS ASPECTS OF TRIAL PERTAINING TO  
HYDROFOIL STRUCTURES

10-U05395 M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 4

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - WEAPONS

QUERY-PART NO. MNNOCCS

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) EFFECT OF MISSILE LAUNCH BLAST ON ACOUSTIC AND  
RADAR HEIGHT SENSORS (17 PP)  
RUSCUS, P.V.  
SAATCHI, F.N.  
TAE-SDD-11-0-18  
ADBO0646  
REMARKS: REF TRIALS PLAN NY044-H283 (10-1107242)

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL II  
(U)  
JUNE 76 RELEV 1  
TN-SDR-119-18  
REMARKS: REF DB/NO 10-500168

GRUMMAN AEROSPACE CORP.  
(U) AGEMI-1 IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS  
DEVELOPMENT-FISCAL YEAR 1974; VOL 1 HISTORICAL  
COMPENDIUM OF INVESTIGATIONS CONDUCTED IN FISCAL  
YEAR 1974 (U) (53 PP)  
H00406-74-C-0632  
RELEV 4  
ADCO053:2  
REMARKS: SOME COST ESTIMATES INCLUDED

GRUMMAN AEROSPACE CORP.  
(U) AGEM IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS  
DEVELOPMENT-COMBAT SYSTEMS (19 PP)  
MAY 75 RELEV 4  
EXECUTIVE SUMMARY  
H00406-74-C-0632  
AD809987  
REMARKS: USE OF AGEM AS A TEST BED FOR VARIOUS  
WEAPON/SENSOR SYSTEMS. SEE ALSO 10-06625LM.

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.



SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 6

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - WEAPONS

QUERY-PART NO. MN0006

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION  
(U) SPARRON III/HYDROFOIL COMPATIBILITY TEST PLAN  
MASSIN, G.  
OCT 72 RELEV S  
TN-4230-85

REMARKS: REF TRIALS PLAN NW040A-A272 (10-U07239)

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION  
(U) SEA SPARRON/HYDROFOIL COMPATIBILITY TEST REPORT  
CROSS, T.A.  
JUNE 73 RELEV 2  
TR-276

REMARKS: REF TRIALS PLAN NW040A-A272 (10-U07239)

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION  
(U) D/S 609 PHASE IV HARPOON CANISTER LAUNCHER/PCH-1-  
TEST PROJECT  
MORRIS, D.W.  
JUNE 73 RELEV S  
TP-2

REMARKS: SEE DB/AD 10-U05553

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION  
(U) D/S 609 PHASE IV HARPOON/PCH-1 LAUNCH COUNTDOWN  
NAVY PROCEDURE  
NP-09-1

REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION  
(U) D/S 609 PHASE IV-HARPOON/PCH-1 PERFORMANCE TEST  
PROCEDURE  
OCT 73 RELEV 4  
NP-09-2

REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRCC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - WEAPONS

QUERY-PART NO. MN0006

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION 10-U05553 M  
(U) D/S 609 PHASE IV-HARPOON CANISTER LAUNCHER/PCH-1,  
TEST

NUMBER. J.W. OCT 73 RELEV 4  
TP-2. APPENDIX B

REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243.  
ALSO SEE DB/MO 10-U05570

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION 10-C00733LF  
(U) D/S 609 PHASE IV-TECH EVAL RPT-CANISTER HARPOON  
WEAPON SYSTEM (APPROX 100 PP)

BRAND. A. JUNE 74 RELEV 4  
RPT TR-299

REMARKS: REF TRIALS PLAN NW045-P305 (10-U07243)  
DTNSROD LIBRARY #C30 570

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON 10-U01221 F  
(U) PRELIMINARY SUMMARY OF PLAINVIEW (AGEH-1)  
RADIATED NOISE AND TORPEDO LAUNCHING TRIALS OF 23

FEBRUARY 1972  
PETERSON, T.E. MAY 72 RELEV 5  
RPT-1158

REMARKS: REF TRIALS PLAN NW034-A252 (10-U07234)

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON 10-C00400 M  
(U) PLAINVIEW (AGEH-1) TORPEDO LAUNCHING TRIALS OF 23

FEBRUARY 1972 (U)(35 PP)  
ATRI. S.P. SEPT 72 RELEV 4  
RPT-1150  
MR-2-0129

REMARKS: REF TRIALS PLAN NW034-A252 (10-U07234)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 8

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - WEAPONS

QUERY-PART NO. MNNO06

OCT 17 1978  
DOCUMENT  
NUMBER

10-C00718

NAVAL WEAPONS LABORATORY, DAHLGREN, VIRGINIA  
(U) TRIALS PLAN-SMALL CRAFT FIRE CONTROL SYSTEM

EVALUATION (INV095-P314) (123 PP)

TOKAR, J.M.

MARSHAL, E.C. JUNE 74 RELEV 4

REMARKS: INCLUDING INSTALLATION ON PCM-1

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

CIC, NAV, SENSORS

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. UMH007 OCT 17 1978

DOCUMENT NUMBER

10-U06952 F

BOEING CO.  
(U) TRIALS PLAN-PCH-1 RADAR/NAVIGATION SYSTEM  
DOCUMENTATION (110 PP) JAN 72 RELEV 7  
BE185-P261

REMARKS: NO REPORT REQUIRED

BOEING CO.  
(U) TRIALS PLAN-PCH-1 RADAR/NAVIGATION SYSTEM  
OVERHAUL AND DIGITAL NAVIGATION COMPUTER  
INSTALLATION (16 PP) FEB 72 RELEV 5  
BE189-P259

REMARKS: EQUIPMENT INSTALLATION AND OVERHAUL

BOEING CO.  
(U) TRIALS PLAN-PCH-1 REPLACEMENT OF SPEED INDICATOR  
TRANSMITTER (112 PP) MAR 72 RELEV 7  
BE191-P263

REMARKS: EQUIPMENT INSTALLED. NO REPORT REQUIRED.

BOEING CO.  
(U) TRIALS PLAN-PCH-1 ADDITIONAL TASKS FOR THE  
DIGITAL NAVIGATION COMPUTER (17 PP) AUG 72 RELEV 5  
BE203-P271

REMARKS: EQUIPMENT SOFTWARE CHANGES

BOEING CO.  
(U) TRIALS PLAN-PCH-1 DIGITAL NAVIGATION SYSTEM  
EVALUATION (44 PP) OCT 73 RELEV 5  
BE192A-P307

REMARKS: REF REPORT 10-U06966

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SWAP SEARCH RESULTS - ADVANCED SWAP DATA BANK

2/2

## **HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY**

1

卷之三

PLANS (10 PP) APR 74 RELEV 7  
HYSTU PLAN BE220-PC  
REMARKS: PCH-1 UNDERWATER RADIATED NOISE SIGNATURE  
ANALYSIS CONTAINED IN THIS DOCUMENT IS CLASSIFIED  
UNDER DRA 10-106976

BOEING CO.  
(U) PCH-1 MODEL-1 DIGITAL NAVIGATION SYSTEM EVALUATION 10-001

RELEVE 4  
RELEVE 74  
2-1524-1000-1318  
NO0800-69-C-1618  
REMARKS : FOR TRIALS PLAN BE192A-P307 (10-U06959)  
ALSO AF190-P050 AF091-P0263 AND BE203-P271

BOEING CO.  
(U) HYDROFOIL RADIATED NOISE (U) (37 PP)  
ALLEN, W. OCT 76  
0324-14004-1  
REMARKS: INCIDES REVIEW OF ALMOST ALL U.  
HYDROFOIL ACOUSTIC RADIATED NOISE INFO.

BUNKER-RAMO CORP.  
(U) ACTIVE/PASSIVE RELIABLE ACOUSTIC PATH SONAR  
(APADS) ANALYSIS AND PREDICTION MODEL AND FINAL  
TECHNICAL REPORT (U) (198 pp.)  
10-C00019L

REMARKS: GOOD SUMMARY OF APRAPS DEVELOPMENT PROGRESS  
TO DATE  
DOC ID# 50039-7C9  
NO002-76-C-6220

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT MSRDC, BUT REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 3

HYDROFOIL & AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. MNN0007

OCT 17 1978

DOCUMENT  
NUMBER

10-C00760

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCH-1 EXERCISE ADMIRALTY TRIALS (U) (76 PP)  
(COMPREHENSIVE REPORT OF 4-DAY OPERATION)  
ROBERTS, J.H. MAR 72 RELAY 4  
LTR-SEH-01-72  
REMARKS: REP TRIALS PLAN MEO28-P230 (10-U08728) AND  
REPORT 10-S00115

10-U07146 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEH-1 DE-735 FATHOMETER AND 3D  
PINGER INSTALLATION (5 PP)  
PULOS, J.G. MAR 72 RELAY 7

HY076-A262  
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

10-C01041 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ACUSTIC DATA REQUIREMENTS IN SUPPORT OF  
OPERATIONS ANALYSIS OF HYDROFOIL TORPEDO ARRAY  
SONAR SYSTEMS (U) (3 PP)  
PULOS, J.G. APR 72 RELAY 5  
MEMO 111:JGP 72-111-27 17  
REMARKS: THIS DOCUMENT SHOULD BE LOOKED AT WHEN  
REVIEWING PLAIN' EW NOISE TRIAL OR ANY OTHER  
ACUSTIC SIGNATURE WORK.

10-U07150 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 DESIGN AND INSTALLATION OF  
CLOSED CIRCUIT TV MONITOR SYSTEM (10 PP)  
HY080-P268  
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 4

HYDROPOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. MN0007

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1/AGEH-1 ELECTRO-MAGNETIC LOG  
CALIBRATION WITH DOPPLER RADAR (5PP)  
OCT 72 RELEV 5  
HY088-H280

REMARKS: REF RPT 10-U05124

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 SMA JR/M20 RADAR EVALUATION IN  
SUPPORT OF PHM PROGRAM (11 PP)  
RABEL, C.R. DEC 73 RELEV 5  
NM059-P308

REMARKS: REF RPT 10-U06275

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) USE OF DOPPLER RADAR TO CALIBRATE A SHIP SPEED  
LOG  
MASON, J.W. APR 74 RELEV 4  
MEMO  
REMARKS: REF TRIALS PLAN HY088-H280 (10-U07197)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 LOWLIGHT LEVEL TELEVISION  
TRIALS (9 PP)  
BOROUGH, C.K. APR 74 RELEV 5  
NM059-P312

REMARKS: NO REPORT RELEASED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) SMALL CRAFT FIRE CONTROL SYSTEM  
EVALUATION/APPROVAL OF (1 PP)  
MAY 74 RELEV 7  
HYSTU PLAN HY095-P314

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

10-U07251 F

10-U07157 F

10-U05124 M

10-U07248 F

10-U07163 F

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. UN1007

OCT 17 1978

DOCUMENT  
NUMBER

10-U06275LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) EVALUATION OF THE SHM-3RMR20 RADAR ON THE  
HYDROFOIL HIGH POINT (PCH-1) (53 PP)  
RABEL, C.R.  
MAR 75 RELEV 4  
TN-SDD-115-06

AD8003557

REMARKS: REF TRIALS PLAN NM058-P308 (10-U07261)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) SHIPS DECK LOG PROCEDURES FOR RAD HYDROFOILS (14  
PP)

MAY 75 RELEV 4

LTR-115-49-75

REMARKS: REF-TRIALS PLAN-HY094-P315 (10-U07162)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-0CM-1ROCKWELL INTERNATIONAL  
ANTI-CLUTTER RADAR SYSTEM (ACR) EVALUATION (51  
PP)

MAR 76 RELEV 5

HY098-P335

REMARKS: REPORT DUE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL II  
(U)

JUNE 76 RELEV 1

TN-SDD-115-18

REMARKS: REF DB/ND 10-500168

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. NW0007 OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09833

(U) TRIALS PLAN-PCH-1 HIGH SPEED VELOCITY LOG  
INTERMEDIATE SPEED FEASIBILITY DEMONSTRATION (30  
PP)

JUNE 76 RELEV 1

REMARKS: REPORT DUE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09830  
(U) TRIALS PLAN-PCH-1 TACTICAL & NAVIGATION COLLISION  
AVOIDANCE VIDEO SYSTEM (TACAV) (29 PP)

CCT 76 RELEV 5

HY097-P333

REMARKS: REF-REFTS-10-U07479

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCH-1 HS1001 VDS TRIALS (HYTON  
PROJECT PLAN) (86 PP)

MAR 77 RELEV 5

HY103-P344

REMARKS: REPORT DUE 100EING TO REPORT SHIPS  
PERFORMANCE AGAINST WTA 1107-76-010P

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) HIGHPOINT POLLBORNE TRANSMISSION UNDERWAY  
CHECKOUT TRIALS LOG PACKAGE FOR VOYAGE NO. 083.

065, 066, & 068 (22 PP)  
WHITEHEAD, V. R. APR 77 RELEV 5  
LTR SER 90-77

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09835

(U) TRIALS PLAN HYDROFOIL EXPERIMENTAL DETERMINATION  
OF ARRAY SURVIVAL LOADS (8 PP)

MAY 77 RELEV 5

NW074-H343

REMARKS: NO REPORT RELEASED

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROPICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - C.I.C. NAVIGATION, AND SENSORS

QUERY-PART NO. 1MN007

OCT 17 1978

DOCUMENT

NUMBER

10-U07748LM

(U) SPECIFICATION AND PROPOSAL FOR VARIABLE DEPTH

TCMING WINCH SYSTEM

JUNE 73 RELEV 4

PROPOSAL 6-326

REMARKS: PART OF CANADIAN VDS EFFORT

GENERAL ELECTRIC CO.

(U) COMPATIBILITY EVALUATION AND DEMONSTRATION

BETWEEN ASW TOWED ARRAY SONAR AND HIGH SPEED

CRAFT (U)(26 PP)

SEPT 73 RELEV 4

10-S00109L

GENERAL ELECTRIC CO.

(U) FOIL MOUNTED SENSOR (110 PP)

NOV 75 RELEV 4

MAAS, H. R.

FILE NO. 314-097

REMARKS: PROPOSAL TO CONSTRUCT, INSTALL, TEST AND

EVALUATE A FOIL MOUNTED SENSOR

10-U07750LM

GENERAL AEROSPACE CORP.

(U) AGEH IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS

DEVELOPMENT-COMBAT SYSTEMS (119 PP)

MAY 75 RELEV 4

EXECUTIVE SUMMARY

N00400-74-C-0632

AD000987

REMARKS: USE OF AGEH AS A TEST BED FOR VARIOUS

WEAPON/SENSOR SYSTEMS. SEE ALSO 10-U06625LM.

10-U07834LM

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. ALL  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 8

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. MM4007

OCT 17 1978

DOCUMENT  
NUMBER

CHURCHMAN AEROSPACI CORP.

(U) USE OF PLATINUM (AGEM) TO EVALUATE ACTIVE  
ASSISTIVE RELIABLE ACOUSTIC PATH SONAR (APRAPS)  
S. (42 PP)

NOV 21 1978  
NO0600-1 C-0246

REMARKS: SEE COMMENTS ATTACHED TO BACK COVER

HUGHES AIRCRAFT CO. 10-C00983 N

(U) LIGHTWEIGHT WEAPON SYSTEM DEMONSTRATION PLAN FOR  
A LARGE HYDROFOIL (U) (53 PP)

NO0400-75-C-1068  
REMARKS: GOOD DISCUSSION OF AAW ENGAGEMENT

GEOMETRIES.

MARINE TECHNOLOGY 10-U05127 N

(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF  
UNDERSEA TONED SYSTEMS  
BURRAGHMS, J.D.

BENZ, B.C. APR 74 RELEV 3  
VOL 11, NO. 2, PP 159- 172

NAVAL ELECTRONICS LABORATORY CENTER

(U) TRIALS PLAN-PCH-1 DD/DE PENHA TRIALS (94 PP)  
BERESFORD, D.W.

RAMEY, D.R. JULY 73 RELEV 5  
NE029-P300

REMARKS: REF RPT 10-500133

NAVAL ELECTRONICS LABORATORY CENTER

(U) TRIALS PLAN-PCH-1 FLIR INSTALLATION (4 PP)  
FERRER, J. JUNE 74 RELEV 5  
NE034-P318

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OF THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 9

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AID SENSORS

QUERY-PART NO. MN00007

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL ELECTRONICS LABORATORY CENTER  
(U) TRIALS PLAN-PCH-1 IN EW TRIALS-INSTALLATION PLAN  
(17 PP)

BERESFORD, D. K.  
ME036-319  
RELEV 5  
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

NAVAL ELECTRONICS LABORATORY CENTER  
(U) TRIALS PLAN-PCH-1 EA-28/EC-121 ASMD TRIALS (1 PP)  
OCT 74 RELEV 7  
ME030A-P289C  
REMARKS: CANCELLED

NAVAL ELECTRONICS LABORATORY CENTER  
(U) (W) PENETRATION AIDS IN SURFACE WARFARE (CONDUCTED  
ON PCH-1) (U) (105 PP)  
RAMER, D. A.  
TH-2856  
RELEV 4  
REMARKS: REF TRIALS PLAN ME029-P300 (10-U07191)  
PENALD TRIALS REPORT (TENTATIVE)

NAVAL ELECTRONICS LABORATORY CENTER  
(U) (W) PENETRATION AIDS IN SURFACE WARFARE (CONDUCTED  
ON PCH-1) (U) (105 PP)  
RAMER, D. A.  
TH-2856  
RELEV 4  
REMARKS: REF TRIALS PLAN ME029-P300 (10-U07191)  
PENALD TRIALS REPORT (TENTATIVE)

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA  
(U) VERSATILE ELECTRO-OPTICAL SYSTEM EVALUATION  
SUMMARY-FINAL REPORT (U) (6 PP)  
JAN 76 RELEV 4  
07-32 SEP-C760051  
REMARKS: REF TRIALS PLAN HY095-P314 (10-U07193)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 10

HYDROFOIL R AND U TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. MNNO07 OCT 17 1978

DOCUMENT NUMBER

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA  
(U) RESULTS OF THE VERSATILE ELECTRO-OPTICAL SYSTEM  
SHIPBOARD DEMONSTRATION ABOARD THE US SAGINAW  
(LST-1188) (U)  
TOKAR, J.B.  
NSWC/DL 78-3491  
ADC006147

REMARKS: DESCRIBES AT-SEA-DEMONSTRATION OF (VEOS)  
FOR AMPHIBIOUS AND FIRE CONTROL MISSIONS. SEE  
HYDROFOIL TRIALS PLAN HY095-P314 (10-U07163)

NAVAL SURFACE WEAPONS CENTER, DAHLGREN, VIRGINIA  
(U) VERSATILE ELECTRO-OPTICAL SYSTEM (VEOS)  
EVALUATION PCH-1 FINAL REPORT (AN ADVANCED PROTO-  
TYPING PROGRAM OF COMBAT SYSTEMS DEVELOPMENT SEA-  
0321(U) (317 PP)  
TOKAR, JOHN M.  
NSWC/DL 78-3545  
ADC008503

REMARKS: REF TRIALS PLAN HY095-P314 (10-U07163)

NAVAL UNDERSEA CENTER  
(U) TOWCRAFT SELECTION FOR THE "HIGH-SPEED TOWED  
SONAR INVESTIGATION" (U) (55 PP)  
POYNTER, R.J.  
356/NO108-72 QF JUL 72

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL  
EVALUATION-PART 1 SUMMARY AND DATA  
CALMINS, D.E.  
NUC IP 241: PART 1  
AD007565L

REMARKS: FOR ALL 8 PARTS SEE DO NO 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY NO U006367

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 11

HYDROFOIL II AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. 1000007

DCT 17 1978

DOCUMENT NUMBER

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL  
EVALUATION PART II SYSTEM DESCRIPTION AND  
OPERATIONAL CRITIQUE

CALKINS, D.E.

FORD, L.A.

NUC IP 241: PART II

AD907560L

REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY NO. U006367

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL  
EVALUATION PART III: TOWLINE HYDRODYNAMIC  
PERFORMANCE

CALKINS, D.E.

NUC IP 241: PART III

AD907560L

REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY NO. U006367

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL  
EVALUATION PART IV: DEPRESSOR HYDRODYNAMIC  
PERFORMANCE

CALKINS, D.E.

NUC IP 241: PART IV

AD907560L

REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY NO. U006367

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 12

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
SESSION - CIC, NAVIGATION, AND SENSORS

QUERY-PART NO. 1000007 OCT 17 1978

DOCUMENT NUMBER

10-U02318M

NAVAL UNDERSEA CENTER

(u) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL  
EVALUATION PART V: TONED SYSTEM  
COMPUTER-SIMULATION CORRELATION  
CALKINS, D.E.  
TUNSTALL, E.B.  
BENZ, R.C.  
NUC TP 241: PART V  
AD907569L  
REMARKS: RPT ESTABLISHES VALIDITY OF DIGITAL AND  
ANALOG TONED-SYSTEM SIMULATIONS. SEE DB MOS  
10-102314 THRU 10-102318L

10-C00797

NAVAL UNDERSEA SYSTEMS CENTER  
(u) PCN-1 TONED ARRAY SONAR SYSTEM HIGH SPEED TEST  
RESULTS (U1144 PP)  
O'NEILL, R.  
RPT SA14F-C34-75

10-C00798

NAVAL WEAPONS LABORATORY, DAMMAGREN, VIRGINIA  
(u) TRIALS PLAN-SMALL CRAFT FIRE CONTROL SYSTEM  
EVALUATION (HY093-P314) (123 PP)  
TOKAR, J.M.  
MARSH, E.C.  
JUNE 74  
RELEV 4  
REMARKS: INCLUDING INSTALLATION ON PCN-1

U. S. NAVY HYDROFOIL HIGH POINT (PCN-1)

(u) PRESIDENTIAL COST REDUCTION CAMPAIGN (130 PP)  
ELMORE, R.  
PLUMB, R.  
LTA 5070 SEC 63-75  
REMARKS: REF RPT 10-1023090

10-U07479 M

OCT 75 RELEV 4

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SIGNATURES

## SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 1

## SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - SIGNATURES

QUERY-PART NO. MANNOS

OCT 17 1978

DOCUMENT  
NUMBER

10-006976 F

(U) PCW-1 UNDERWATER RADIATED NOISE SIGNATURE  
ANALYSIS; COMMENTS ON (10 PP)  
HYSTU PLAN BE219-PC

10-C01113LM

(U) HYDROFOIL RADIATED NOISE (U) (37 PP)  
ALLEN, B. OCT 78 RELEV 3  
D324-14004-1  
REMARKS: INCLUDES REVIEW OF ALMOST ALL U. S.  
HYDROFOIL ACOUSTIC RADIATED NOISE INFO.

BOLT BERANIK AND NEWMAN, INC.  
(U) MODEL AND SILENCING PROGRAM FOR UNDERWATER  
RADIATED NOISE FROM HYDROFOIL CRAFT: (U) (107 PP)  
SIRULIN, J.  
GOGOS, C.  
RPT-2496  
NO0060-72-C-0690  
REMARKS: DRAFT

BOLT BERANIK AND NEWMAN, INC.  
(U) UNDERWATER RADIATED NOISE SIGNATURE OF HYDROFOIL  
PLATINUM (AGEM-1) (U) TRIALS PLAN HW029A4287  
110-0072301  
GOGOS, C.M.  
RPT 2504  
NO0060-72-C-0468  
AD593765

REMARKS: EXTENSIVE INVESTIGATION OF TECHNIQUES TO  
MEASURE HIGH SPEED CRAFT SIGNATURE. 3-D BEAM  
PATTERNS OF AGEM FOILBORNE AT 2 SPEEDS.

10-C00974 M

JAN 73 RELEV 4  
MAR 73 RELEV 1

10-C00364 M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

MISSION - SIGNATURES

QUERY-PART NO. MNNOOB

OCT 17 1978

DOCUMENT  
NUMBER

BOLT BERANEK AND NEWMAN, INC. - WALLBORNE RADIATED NOISE  
(U) PRELIMINARY SUMMARY OF WALLBORNE RADIATED NOISE  
DATA FOR HIGH POINT PCH-1 RUNS 4, 6, 23, AND 25  
(U) (11 PP)

MILES, P. SEPT 74 RELEV 4  
LTR DATED 15 AUG 1974

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN MN058-P309 (10-U07283) THIS  
1 OF 3 PRELIMINARY TURBINE AND DIESEL POWER  
LETTER REPORTS PRIOR TO FINAL

BOLT BERANEK AND NEWMAN, INC. - SUMMARY OF RADIATED NOISE DATA FOR HIGH POINT  
(U) PRIORITY #1 RUNS (2, 13, 17, 21) (U) (121 PP)  
MILES, P. OCT 74 RELEV 4

LETTER DATED 17 OCT 74

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN MN058-P309 (10-U07252)  
TURBINE AND DIESEL POWER  
PRELIMINARY LTR-SEE FINAL RPT

BOLT BERANEK AND NEWMAN, INC. - SUMMARY OF NARROW BAND RADIATED NOISE DATA FOR  
(U) HIGH POINT RUNS 4, 6, 23, AND 25 (U) (110 PP)  
MILES, P.R. OCT 74 RELEV 4

LTR DATED 10 OCT 1974

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN MN058-P309 (10-U07252)  
PRELIMINARY LTR-SEE FINAL RPT

BOLT BERANEK AND NEWMAN, INC. - HYDROFOIL HIGH POINT (PCH-1) RADIATED NOISE  
(U) SIGNATURE AND TACTICAL CONSIDERATIONS (U) (65 PP)  
MILES, P.R.  
COGOS, C.M.  
TM-221  
NO0600-73-C-0466

REMARKS: REF TRIALS PLAN MN059-P313 (10-U07293)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 3

HYDROFOIL & AND DETAILS DOCUMENTATION SUMMARY  
MISSIO. - SIGNATURES

QUERY-PART NO. 1000008

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEH-1 MAGNETIC SIGNATURES (42 PP)  
DESAVAGE, G. P.  
NHO35A-A255

10-007235 F

FEB 72 REL/EV 5

REMARKS: REF RPT 10-C00710

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ACUSTIC DATA REQUIREMENTS IN SUPPORT OF  
OPERATIONS ANALYSIS OF HYDROFOIL TONED ARRAY  
SONAR SYSTEMS (U) (3 PP)  
PULOS, J.G. APR 72 REL/EV 5  
MEMO 111:JOP 72-111-27 17  
REMARKS: THIS DOCUMENT SHOULD BE LOOKED AT WHEN  
REVIEWING PLAINVIEW NOISE TRIAL OR ANY OTHER  
ACUSTIC SIGNATURE WORK.

10-C01041 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEH-1 PRESSURE MEASUREMENTS (23 PP)  
WILBANKS, E.A. APR 72 REL/EV 5  
NHO36A-A269

REMARKS: REF RPT 10-000137, 10-000123, 10-C00978

AND 10-00531

10-007236 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEH-1 INVESTIGATION OF TECHNIQUES TO  
MEASURE RADIATED UNDERWATER NOISE OF HYDROFOILS  
HALPER, D.P. JUNE 72 REL/EV 5  
NHO35A-A267

REMARKS: REF RPT 10-C00364

10-007238 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCM-1 MACHINERY AND AIRBORNE NOISE  
CHARACTERISTICS (13 PP)  
SCHAD, H.W. AUG 73 REL/EV 5  
NHO34A-P301

REMARKS: REF RPT 10-U05493

10-007286 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - SIGNATURES

QUERY-PART NO. MN9008

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 MULTIPLE INFLUENCE MEASUREMENTS 10-U07252 N  
113 PP)  
HALPER, D.P. JAN 74 RELEV 5  
MN058-P309  
REMARKS: REF RPTS 10-U07252, 10-C00973, 10-C00971  
AND 10-C00972

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-U07253 F  
(U) TRIALS PLAN-PCH-1 UNDERWATER RADIATED NOISE  
MEASUREMENTS (113 PP)  
HALPER, D.P. APR 74 RELEV 5  
MN059-P313  
REMARKS: REF RPT 10-C00706

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-C01088LM  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL II  
(U)  
JUNE 76 RELEV 1  
TN-SDD-115-18  
REMARKS: REF DB/NO 10-S00163

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-S00168L  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART II  
TECHNICAL ASSESSMENT HYDROFOIL SHIP SIGNATURE  
EVALUATION  
AUG 76 RELEV 1  
TN-SDD-115-19  
REMARKS: SECRET SUPPLEMENT REF DB/NO. 10-C01088L

GENERAL ELECTRIC CO.  
(U) COMPATIBILITY EVALUATION AND DEMONSTRATION  
BETWEEN ASW Towed ARRAY, SCORAR AND HIGH SPEED  
CRAFT (U)(26 PP)  
SEPT 73 RELEV 4  
10-S00109L

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 5

HYDROFOIL R AND D'VIALS DOCUMENTATION SUMMARY  
MISSION - SIGNATURES

QUERY-PART NO. 000008

DOC 17 1978

DOCUMENT  
NUMBER

JOHNS HOPKINS APPLIED PHYSICS LABORATORY 10-Crn653  
(U) ACOUSTICAL MEASUREMENTS OF SURFACE EFFECT SHIPS  
(SES 100A AND SES 100B)(U)(125 PP)

HILL, F.H.

DINAM, J.J.

SMALL, T.R.

RPT-OR-73-165

NOG017-72-C-4401

ADC000455

REMARKS: COMPARATIVE WATERTORNE NOISE DATA FROM PGH-1, PGH-2, AGEM-1, PGH-1, DENISON, SRN-4, SES 100A, AND SES 100B AN-4.

NAVAL COASTAL SYSTEMS LABORATORY  
(U) REPORT OF TRAVEL AND PRELIMINARY RESULTS OF

PRESSURE RANGING OF GEN-1 (U) (16 PP)

WILBANKS, E.A. MAY 72 RELEV 5

REMARKS: REF TRIALS PLAN NHO36A-A260 (10-U07236)  
INFORMAL MEMO-SEE FINAL REPORT

NAVAL COASTAL SYSTEMS LABORATORY 10-500123  
(U) PRESSURE SIGNATURE MEASUREMENTS OF THE HYDROFOIL  
(USS PLAINVIEW (AGM-1)(U)(137 PP)

WILBANKS, E.A.

VAN BIGGER, V.H.

MCGRAN, C.T.

NCNL-190-73

AD522417

REMARKS: REF TRIALS PLAN NHO36A-A260 (10-U07236)  
DTNSROD LIBRARY #512.688

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - SIGNATURES

QUERY-PART NO. UNKNOWN

OCT 17 1978

DOCUMENT NUMBER

10-500111

NAVAL COASTAL SYSTEMS LABORATORY  
(U) INFLUENCE FIELDS OF THE HIGHPOINT PCH-1 (U) (S8  
PP)

VAN GIBBER, V.H. JAN 78 RELEV 2  
WILBAMS, C.A.

NCNL 230-75  
REMARKS: NSRDC LIBRARY #S 13853

10-500137L

NAVAL ELECTRONICS LABORATORY CENTER  
(U) HYDROFOIL SHIP SIGNATURE EVALUATION STUDY (U)  
1102 PP

EPSTEIN, R.M. FEB 76 RELEV 3  
NELC LTR SER 0232-S19

REMARKS: REF TRIALS PLAN NW036A-A260 (10-U07236).  
EXCELLENT REVIEW OF EXISTING HYDROFOIL SIGNATURE  
INFO.

10-00710

NAVAL ORDNANCE LABORATORY, WHITE OAK, MARYLAND  
(U) MAGNETIC SIGNATURE ANALYSIS OF THE HYDROFOIL  
AGEN-1 (U) (S9 1P)

DESSAGE, B.F. FEB 72 RELEV 4  
BROWN, J.E.

NOLTB-72-52

REMARKS: REF TRIALS PLAN NW035A-A255 (10-907235)

10-U01221 F

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON  
(U) PRELIMINARY SUMMARY OF PLAINVIEW (AQM-1)  
RADIATED NOISE AND TORPEDO LAUNCHING TRIALS OF 23

FEBRUARY 1972

PETERSON, T.E. MAY 72 RELEV 5

RPT-1158

REMARKS: REF TRIALS PLAN NW034-A252 (10-U07234)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE OFFICEMATE OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION - SIGNATURES

QUERY-PART NO. MNO008

DOCUMENT NUMBER

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON  
(U) PLAINVIEW (AGEN-1) TORPEDO LAUNCHING TRIALS OF 23  
FEBRUARY 1972 (U)(35 PP) 10-C00400 M  
ATRI. S.P. SEPT 72 RELEV 4  
RPT-1160  
NR-2-0129  
REMARKS: REF TRIALS PLAN MNO34-A252 (10-U07234)

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON  
(U) PLAINVIEW (AGEN-1) PRESSURE SENSOR TRIALS OF 25  
AND 28 APRIL 1972 10-U05531 M  
ATRI. S.P. SEPT 72 RELEV 4  
RPT-N-72-1  
REMARKS: REF TRIALS PLAN MNO36A-A260 (10-U07236)  
-14A1:18:0870:2200:1100

NAVAL UNDERWATER SYSTEMS CENTER  
(U) PC-4-1 TONED ARRAY SONAR SYSTEM HIGH SPEED TEST  
RESULTS (U)(44 PP) 10-C00797  
O'NEILL, R. JAN 75 RELEV 3  
RPT SA14F-C24-75

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

PERFORMANCE  
TESTS

CHARACTERISTIC

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUIC HY-PART NO. M00009

OCT 17 1978  
DOCUMENT  
NUMBER

BOEING CO.  
(U) DETERMINATION OF PCH-1 HULLBORNE SEAKEEPING  
CHARACTERISTICS

RIEG, D.F.  
TN-2-19

NO000-69-C-0618

REMARKS: EVALUATES EFFECTS OF ACTIVE CONTROL SYSTEM  
AND FOIL POSITION ON HULLBORNE MOTIONS

BOEING CO.  
(U) REPORT ON SHIP BEHAVIOR DURING TORPEDO TRIAL NO.  
72M4252 ON PLATINUM

FEB 72 RELEV 2  
MAR 72 RELEV 4

LTP 2-1506-1000-575

NO000-69-C-0618

REMARKS: REF TRIALS PLAN M0034-A252 (10-UU7234)

BOEING CO.  
(U) TRIALS PLAN-AGEH-1 HULLBORNE CHARACTERISTICS (21  
"P")

MAR 72 RELEV 5

BE-59-A311

REMARKS: REF RPT 10-U09851

BOEING CO.  
(U) VOYAGE SUMMARY OF HIGH POINT PCH-1 TECHNICAL  
TRIAL DEPLOYMENT JAN 5. TO MAR 15, 1971

SALISBURY, V.

D2-133634-1

REMARKS: REF TRIAL PLAN M0026-P226 (10-U07188)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. MMN009

OCT 17 1978

DOCUMENT  
NUMBER

10-U02281 M

BOEING CO.  
(U) SPEED AND POWERING TESTS WITH NEW TORQUE AND  
THRUST METERS (PCH-MOD 0)  
REF ID: D.

AUG 72 RELEV 2

LTR 2-1968-1000-685

NO0800-69-C-0618

REMARKS: GOOD SUMMARY OF PCH-MOD 0 SMOOTH WATER  
SPEED AND POWERING TESTS WITH VARIOUS PROPELLERS

BOEING CO.  
(U) TRIALS PLAN-AGEN-1 PRE-ROUGH WATER READINESS  
TRIAL (111 pp)

AUG 72 RELEV 5

REF 1528-A273

REMARKS: REF RPTS 10-U05036 AND 10-U05037

BOEING CO.  
(U) TRIALS PLAN-AGEN-1 PHASE I-ROUGH WATER TRIALS (64  
pp)

NOV 72 RELEV 5

BE199A-A279

REMARKS: REF RPTS 10-C00541, 10-U05711, 10-U04886  
AND 10-U04887

BOEING CO.  
(U) TRIALS PLAN-AGEN-1 SIX DEGREE OF FREEDOM DIGITAL  
SIMULATION OF THE FOILBORNE (6 pp)

JAN 73 RELEV 5

BL206-A285

REMARKS: REF RPTS 10-U05491

Qualified individuals may review these documents at NSRDC, but  
declassification for copies should be made to the Defense Documentation  
Center or the originator of that document. Microfiche copies  
can be provided to program participants on a case basis.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. MN009

OCT 17 1978

DOCUMENT  
NUMBER

10-U02931 M

BOEING CO.  
(U) TRIALS REPORT ON DYNAMIC CHARACTERIZATION  
READINESS (AGEH-11)

BENZ, R.C.  
FARRIS, W.E.  
TN-A-12

MO0600-69-C-0610  
REMARKS: REF TRIALS PLAN BE181-A256 (10-U06939)

BOEING CO.  
(U) ANALYSIS OF THE RIDE QUALITY OF HYDROFOIL SHIP  
PCH-1 HIGH POINT, AND CORRELATION OF MEASURED  
RIDE PARAMETERS WITH ANALYTICAL PREDICTIONS  
HARANG, A.O.  
STARK, D.R.  
LTR 2-1568-3000-075  
NO024-73-C-0257  
REMARKS: MAKES COMPARISON OF VERTICAL AND LATERAL  
ACCELERATIONS FOR FCH-MOD-0, PCH-MOD-1, PCH-  
2 AND JETFOIL

BOEING CO.  
(U) TRIALS PLAN-AGEH-1 FOILBORNE EMERGENCY  
PROCEDURES(16 PP)  
BE133A-A286  
REMARKS: RPTS.-10-U02156(TN-A-9)

BOEING CO.  
(U) TRIALS PLAN-AGEH-1 DYNAMIC CHARACTERIZATION  
READINESS (38 PP)  
BE181-A256  
REMARKS: REF RPTS 10-U02931 (TN-A-12)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

## SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

## HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

HYDROFOIL PERFORMANCE - CHARACTERISTICS

OCT 17 1978

DOCUMENT NUMBER

BOEING CO. (U) GRAPHS &amp; PLOTS OF DEFINITIVE CHARACTERISTICS OF

AGEH-1;NULLBORNE-SMOOTHWATER (7 PP)  
MAR 73 RELEV 4

LTR-2-1524-1000-920

NO0600-69-C-0618

REMARKS: REF-TRIALS PLAN-BE159-A311 (10-06929)

TRAILERS &amp; REPORT NOT COMPLETED

BOEING CO.

(U) REPORT ON SHIP BEHAVIOR DURING SEA  
SPARRON/HYDROFOIL COMPATIBILITY TESTS ON  
PLAINVIEW (AGEH-1)LTR 2-1524-1000-949  
NO0600-69-C-0618

MAY 73 RELEV 4

REMARKS: REF TRIALS PLAN BE132A-A241 (10-06924)

BOEING CO.  
(U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL  
DIRECTIONAL STABILITY AND FLAT TURNING  
CHARACTERISTICS

THORASSON, R.E.

RIEG, D.F.

TN-A-11

NO0600-69-C-0618

REMARKS: REF TRIALS PLAN BE132A-A241 (10-06924)

BOEING CO.  
(U) TRIALS PLAN-AGEH-1 SMOOTH WATER FOILBORNE  
CHARACTERISTICS-PHASE 11 (127 PP)

JUNE 73 RELEV 4

BE132-A241

REMARKS: REF RPT 10-002444 (1N-A11)

C

10-U02444 M

10-U05550 M

10-U02444 M

REMARKS: INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION

CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES

CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. MNNO09

OCT 17 1978

DOCUMENT NUMBER

10-009910

BOEING CO.  
(U) AGEM-1 FOILBORNE ROUGH WATER MOTION  
CHARACTERISTICS (2 PP) JUNE 73 REL/EV 4

2-1524-1000-988

NO0600-69-C-0618

REMARKS: REF TRIALS PLAN MN037-A254 (10-U07237)

BOEING CO.  
(U) AGEM-1 CURRENT SPEED-POWER CHARACTERISTIC DATA  
10-000541 M

RIEG. D.F. OCT 73 REL/EV 2

LTR 2-1524-1000-1114

NO0600-69-C-0618

REMARKS: REF TRIALS PLAN BE199A-A279 (10-U06961)

BOEING CO.  
(U) AGEM-1 ROUGH WATER SPEED-POWER DATA-TRIALS PLAN  
10-004887 M

RIEG. D.F. JAN 74 REL/EV 2

LTR 2-1524-1000-1163

NO0600-69-C-0618

REMARKS: CONTAIN SPEED, MP. PROP RPM AND TORQUE DATA  
FOR SEA STATES 3 AND 4.

BOEING CO.  
(U) EQUATIONS FOR AND RESULTS FROM THE DIGITAL  
SIMULATION OF THE FOILBORNE AGEM-1  
10-005491 M

HAWKINS, P.J. JAN 74 REL/EV 4

D319-S1500

NO0600-69-C-0618

REMARKS: REF TRIALS PLAN BE206-A285 (10-U06967)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THESE DOCUMENTS. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. UNN009

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.

(U) RESULTS OF ROUGH WATER TRIALS (PHASE 1)-TRIALS  
PLAN BE 1994-A279 (10-U09861)  
SHAKARIAN, A.  
COLEMAN, J.T.  
TN-A-16  
NO0600-69-C-0618  
REMARKS: CONTAIN ROUGH WATER DATA THRU SEA STATE 4  
ONLY FULL-SCALE ROUGH WATER DATA TO DATE.

10-U04886 W

BOEING CO.

(U) AGEM-1 PLAINVIEW. RESULTS OF PRE-ROUGH WATER  
TRIALS, PART A  
CHANG, F.  
TN-A-14  
NO0600-69-C-0619  
REMARKS: REF TRIALS PLAN BE152A-A273 (10-U06922)

10-U05037 W

BOEING CO.

(U) AGEM-1 ROUGH WATER SPEED POWER DATA  
LTR-2-1524-1000-1190  
NO0600-69-C-0618  
REMARKS: TRIALS PLAN BE152B-A273 (10-U06922)

10-U05036 W

BOEING CO.

(U) PCW-1 MOD-1 TRIM, TURNING & STEP RESPONSE  
CHARACTERISTICS-DEFINITIVE CHARACTERISTICS  
FOILBORNE (16 PP)  
2-1524-1000-1233  
NO0600-69-C-0618  
REMARKS: REF-TRIALS PLAN-MW0428-P290 (10-U07241)

10-U05038 W

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. MN0009

OCT 17 1978  
DOCUMENT NUMBER

BOEING CO.

(U) TRIALS, TURNING AND STEP RESPONSE FIG. 4 AND 7 OF  
PCH-1 DEFINITIVE CHARACTERISTICS FOILBORNE (12 PP)  
2-1524-1000-1248  
APR 74 RELEY 4

NO0600-69-C-0618

REMARKS: REF TRIAL PLAN MN0428-P290 (10-U07241) SEE  
DB/NO 10-U09816 FOR FIG. 4 AND 7.

BOEING CO. 10-U09909  
(U) BOEING RECOMMENDED ITEMS FOR NSRDC WORKSHOP (JUNE  
1974) JUNE 74 RELEY 5

BOEING CO. 10-U05658 W  
(U) DATA ON SPEED, RPM, FUEL FLOW AND WEIGHT IN  
SUPPORT OF THE SAN DIEGO TRIP OF PCH MOD 1 (3  
PP)  
JULY 74 RELEY 4  
LTA 2-1524-1000-1290  
NO0618-69-C-0618

BOEING CO. 10-U09849  
(U) TRIALS PLAN PCH-1 TECHNICAL EVALUATION DURING  
USCG OPERATION (17 PP)  
B5223-P322 APR 75 RELEY 5  
NO0600-73-C-1107

REMARKS: REF-RPT5-10-U06497

BOEING CO. 10-C00277L  
(U) BOEING TRIALS & ESTIMATED PERFORMANCE DATA FOR  
PCH-1, PGH-2, & PHN-1 (U) (20 PP)  
DEC 75 RELEY 4  
LTA-2-1522-0000-347

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 8

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. 00000000

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) TRIALS AGENDA AGEH-1 DUTCH ROLL & HEIGHT  
TRANSIENT INVESTIGATION (11 PP)

MAR 78 RELEV 5  
77-H-AG3X  
H00600-78-C-1107

REMARKS: NO TRIAL PLAN NUMBER ISSUED REF-NIA  
1107-78-005A:RPT. TO BE ISSUED

BOEING CO.  
(U) TRIALS PLAN-PCH-1 1971 ROUGH WATER TRIALS (26 PP)  
SEPT 78 RELEV 5  
DE160-5217

REMARKS: R/W REPORT RELEASED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCH-1 EXERCISE ADMIRALTY TRIALS (U) (76 PP)  
COMPREHENSIVE REPORT OF 4-DAY OPERATION  
ROBERTS, J.H. MAR 72 RELEV 4  
ITA-SEC-01-72

REMARKS: REF TRIALS PLAN N0028-P230 (10-000728) AND  
REPORT 10-500119

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) AIRBORNE NOISE ON PCH-1 (MIGHPOINT) HYDROFOIL  
SCHAB, H.W. JULY 72 RELEV 5  
TAE-27-230

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) AIRBORNE NOISE ANALYSIS OF USS PLAINVIEW (AGEH-1)  
AFTER INSTALLATION OF AIR INTAKE PLENUM ACOUSTIC  
TREATMENT  
ARCIBRO, L.J. JULY 72 RELEV 2  
LIR NPT 27-247

REMARKS: REF TRIALS PLAN HY074A-A22 (10-007144)

10-U009823  
10-U006930 F  
10-C00760  
10-U02045 F  
10-U02083 H

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 9

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. NWW009

OCT 17 1978

DOCUMENT  
NUMBER

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEH-1 AIRBORNE NOISE LEVEL ANALYSIS 10-007144 F

(117 PP)

JULY 72

RELEVE 5

HY074A-A242

REMARKS: REF RPT 10-002083

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 MOD-1 SMOOTH WATER 10-007241 F

CHARACTERISTICS (23 PP)

O'NEILL, W.C.

APR 73

RELEVE 5

NW042B-P200

REMARKS: REF RPT 10-009816-TURNING, TRIM AND STEP

RESPONSE CHARACTERISTICS

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 MACHINERY AND AIRBORNE NOISE 10-007286 F

CHARACTERISTICS (113 PP)

SCHAU, M.M.

AUG 73

RELEVE 5

NA044A-P301

REMARKS: REF REPORT 10-005493

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) HUMAN FACTORS EVALUATION OF A HYDROFOIL DURING 10-002826 N

EXTENDED TRANSIT AND EXERCISE OPERATIONS

EDMONDO, P.

OCT 73

RELEVE 4

TAE-27-551

REMARKS: REF TRIALS PLAN BE164-P219 (10-006934)

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 MOD-1 ROUGH WATER TRIALS (32 10-007249 F

PP)

SAXTON, P.M.

FEB 74

RELEVE 5

NW044B-P310

REMARKS: REF RPT 10-005118

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 10

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WND009 OCT 17 1978

DOCUMENT NUMBER

10-U05277 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) USS PLATINUM (AGM-11) PRELIMINARY VIBRATION  
STUDIES-REF TRIALS PLAN NN031-A231 (10-U07231),

SCHAUER, R.E. APR 74 RELEVE 2  
TSE-SAD-79E-1968

REMARKS: BELL DONE STUDY WHICH COMPARES FULL SCALE  
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL  
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT  
FLUTTER SPEEDS. COMPARISON WITH MIL STD 1678 AND  
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07161 F

(U) TRIALS PLAN-HYDROFOIL SUND RAND AHV-6 RADAR  
ALTIMETER-HEIGHT SENSOR EVALUATION

MAY 74 RELEVE 5  
HY093-H325

REMARKS: REPORT TO BE RELEASED. SEE TRIALS PLAN  
HY104-H341

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07255 F

(U) TRIALS PLAN-PCH-1/PGH AND OTHER CRAFT COMPARATIVE  
SEKEEPING (16 PP)

REBEL, C.R. JULY 74 RELEVE 7  
NN061-P323

REMARKS: CANCELLED

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07256 F

(U) TRIALS PLAN-PCH-1 MOVIES OF STRUCTURAL MANEUVERS  
(17 PP)

YARNALL, P.  
NN062-P324C

REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL  
CANCELLED 12111:6315:1092:1A:567:2002:0100

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THE DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 EVALUATION OF SEPT. 1974  
HYDROFOIL DIGITAL AUTOPilot (HYDAP) CONFIGURATION  
(32 pp)  
O'NEILL, M.C.  
AUG 74 RELEV 5  
NN0648-F328  
REMARKS: REF. DRAPER LAB-R745(10-U02401)

10-U07258 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 HYDAP TESTS-EFFECTS OF VARING  
GAIN ON HULLBORNE MOTION (23 pp)  
O'NEILL, M.C. DEC 74 RELEV 5  
NN0608-P317  
REMARKS: NO REPORT RELEASED

10-U07254 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 FLAP EFFECTIVENESS-STATIC  
DYNAMIC DURING MANEUVERS AND FOLLOWING BROADCHASING  
(127 pp)  
O'NEILL, M.C. DEC 74 RELEV 5  
NN0655-329  
REMARKS: NO REPORT RELEASED

10-U07259 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 BASE LINE  
O'NEILL, M.C.  
25  
27 DEC 74 RELEV 7  
NN066-P330  
REMARKS: REPORT TO BE RELEASED

10-U07260 F

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 1975 ROUGH WATER TRIALS (51 pp)  
O'NEILL, M.C. DEC 74 RELEV 5  
NN067-P331  
REMARKS: REPORT DUE

10-U07261 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO NSCOPIC PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 12

HYDROFOIL PERFORMANCE - DOCUMENTATION SUMMARY

QUERY-PART NO. MNNO09

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-C01088LM

(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PAPER 1  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL 11

(U)

JUNE 76

REFLEV 1

TN-5DD-115-18

REMARKS: REF. DB/NO 10-500168

10-U07662LM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER DOCUMENT LISTING  
(U) SDD DATA BANK HYDROFOIL DOCUMENT LISTING  
"PERFORMANCE" : (FOR ANVCE STUDY, TASK 11, CHAP

111) (APPROX 150 PP)

JUNE 76

REFLEV 5

REMARKS: REF. ANVCE TECH. ASSESSMENT VOL 1 & 11

10-U08456 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08455 M  
(U) PLAINVIEW (AGEN-1) PC-1 OVERHAUL OPERATIONAL  
LIMITS SEPTEMBER 1976 (7 PP)

SEPT 76

REFLEV 4

LTR-SER 156-76

REMARKS: OPERATIONAL RED LINE LISTINGS

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08455 M  
(U) PC-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMISSION TO BOEING FOR COMPARISON WITH SIMILAR

PHM-1 DATA (B3 PP)

SEPT 76

REFLEV 4

LTR-76-173-M125

REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE  
MANEUVERS AND FORWARD FOIL BROACHES.

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 13

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHAR. CTERISTICS

QUERY-PART NO. WNN009

OCT 17 1978

DOCUMENT  
NUMBER

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PLAINVIEW AGEM-1 TRIAL AGENDA POST RAV/OVERHAUL  
CHECKOUT SECTION C: UNDERWAY MULBORNE (61 PP)

76-H-A07X  
REMARKS: REV A OF SECTION C. SEE 10-U08610M FOR  
ORIGINAL OF SECTION C.

10-U08803 M

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCM-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMISSION TO BOEING FOR COMPARISON WITH SIMILAR  
PHM-1 DATA (63 PP)  
GILL, D. E.  
LTR-76-173-M125

REMARKS: REF TRIALS PLAN WNO49-P294 (10-U07245)

10-U08874 M

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PLAINVIEW (AGEM-1) POST NAV/OVERHAUL UNDERWAY  
MULBORNE AND FOILBORNE CHECKOUT TRIAL AGENDAS  
(139 PP)

REMARKS: SECTIONS C AND D.

10-U08810 M

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PLAINVIEW (AGEM-1) POST OVERHAUL OPERATIONAL  
CHECKOUT TRIALS LOG PACKAGE FOR VOYAGE NO. 063.  
065, 066, & 068 (22 PP)  
WHITEHEAD, V. R.  
LTR SER 90-77

REMARKS: SECTIONS C AND D.

10-U08887 K

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PLAINVIEW (AGEM-1) POST OVERHAUL OPERATIONAL  
LIMITS MAY 1977 (7 PP)  
MAY 77 RELEV 4  
LTR-SER01-77

10-U08869 M

DAVID M. TAYLOR NAVAL SHIP R&D CENTER  
(U) PLAINVIEW (AGEM-1) POST OVERHAUL OPERATIONAL  
LIMITS MAY 1977 (7 PP)  
MAY 77 RELEV 4  
LTR-SER01-77

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC; BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE REQUESTED FROM NSRDC. 800-777-7777/7778 FOR A FAX RACIA.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 14

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. MN0009

OCT 17 1978

DOCUMENT

NUMBER

DEFENCE RESEARCH ESTABLISHMENT. ATLANTIC

10-000706L

SEARCH ESTABLISHMENT. ATLANTIC

10-000731M

(U) TITLE IS RESTRICTED

MAR 73 RELEV 2

DEFENCE RESEARCH ESTABLISHMENT. ATLANTIC

10-0059731M

(U) PREDICTION OF PITCH AND HEAVE MOTIONS OF

HULLBORNE HYDROFOIL VESSELS (63 PP)

JAN 74 RELEV 2

DEFENCE RESEARCH ESTABLISHMENT. ATLANTIC

10-0059731M

(U) PREDICTION OF PITCH AND HEAVE MOTIONS OF

HULLBORNE HYDROFOIL VESSELS (63 PP)

JAN 74 RELEV 2

DREA RPT-74/2

AD8002938

REMARKS: CORRELATION LOOK EXCELLENT IN HEAD SEAS.

CORRELATES AGEM MODEL TESTS. FME-400 FULL SCALE

DATA WITH COMPUTER PROGRAM

GENERAL ELECTRIC CO.

10-000109L

(U) COMPATIBILITY EVALUATION AND DEMONSTRATION

BETWEEN ASW TOWED ARRAY SONAR AND HIGH SPEED

CRAFT (U) (26 PP)

SEPT 73 RELEV 4

GENERAL ELECTRIC CO.

10-000109L

(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF

UNDERSEA TOWED SYSTEMS

BURROUGHS, J.D.

BENZ, R.C.

APR 74 RELEV 3

VOL 11 NO. 2. PP 159- 172

GENERAL ELECTRIC CO.

10-000109L

(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF

UNDERSEA TOWED SYSTEMS

BURROUGHS, J.D.

BENZ, R.C.

APR 74 RELEV 3

VOL 11 NO. 2. PP 159- 172

NAVAL ELECTRONICS LABORATORY CENTER

10-005127 M

(U) COMMENTS ON PCH-1 IN EXERCISE ADMIRALTY (U) (2 PP)

MCMAHON, W.A.

JAN 72 RELEV 4

LTR M-232-201/JG01

REMARKS: REF TRIALS PLAN NO. P230 (10-U08728)

NAVAL ELECTRONICS LABORATORY CENTER

10-000115

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 15

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. W0009

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL SHIP MISSILE SYSTEMS ENGINEERING STATION  
(U) SEA SPARRER/HYDROFOIL COMPATIBILITY TEST REPORT  
GROSS, T.A.  
JUNE 73 RELEV 2  
TR-276  
REMARKS: REF TRIALS PLAN N0040A-A272 (10-U07229)

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON  
(U) PLAINVIEW (AGEH-1) TORPEDO LAUNCHING TRIALS OF 23  
FEBRUARY 1972 (U)(35 pp)  
ATTRL. S.P.  
SEPT 72 RELEV 4  
RPT-1160  
WR-2-0129  
REMARKS: REF TRIALS PLAN N0034-A252 (10-U07234)

NAVAL UNDERSEA CENTER  
(U) TORCRAFT SELECTION FOR THE "HIGH-SPEED TORPEDO  
SONAR INVESTIGATION" (U) (55 pp)  
POINTER, R.J.  
SEPT 72 RELEV 4  
356/N0108-72 OF JUL 72

PUGET SOUND NAVAL SHIPYARD  
(U) USS HIGH POINT (PCH-1) MOD-1)-STRUCTUREBORNE AND  
AIRBORNE NOISE SURVEY  
MAY 74 RELEV 2  
T-10146  
REMARKS: REF TRIALS PLAN N0034A-P301 (10-U07286)

SPATGENS (T. M.)  
(U) EVALUATION OF TORSIONAL VIBRATION CHARACTERISTICS  
OF FOILBORNE PROPULSION SYSTEMS-HYDROFOIL  
PLAINVIEW (AGEH-1)  
SPATGENS, T.M.  
APR 72 RELEV 4  
C1508-1  
N00406-72C-0527  
REMARKS: INTERIM REPT. SEE DS NO. 10-U02029

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTRE OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 16

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
PERFORMANCE - CHARACTERISTICS

QUERY-PART NO. W00009

OCT 17 1978

DOCUMENT  
NUMBER

U. S. COAST GUARD  
(U) OPERATIONAL EVALUATION OF THE HYDROFOIL CONCEPT  
FOR U. S. COAST GUARD MISSIONS, PHASE III  
REPORT OF OPERATIONS WITH USCGC HIGH POINT (MEW)  
11 1165 2P1

IRVINE, J.F.

BLAKE, D.T.

CO-D-102-75

REMARKS: RCP Rep 10-09849  
JUNE 78 HELEV 4

QUALIFIED INDIVIDUAL'S MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

*OPERATIONAL*

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 1

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION OPERATIONS

QUERY-PART NO. SHM010

OCT 17 1978

DOCUMENT  
NUMBER

10-C00256 F

BOEING CO.  
(U) VOYAGE SUMMARY OF HIGH POINT PCW-1 TECHNICAL  
TRAIL DEPLOYMENT JAN 5, TO MAR 15, 1971  
SALISBURY, V.  
D2-133634-1  
RELEVE 5  
REMARKS: REF TRIAL PLAN NEM026-P226 (10-U07188)

BOEING CO.  
(U) PATROL CRAFT HYDROFOIL HIGH POINT TRIAL SUMMARY  
AND LOGS FOR THE TRANSITS, DEMONSTRATIONS, AND  
ROUGH WATER TRIALS OF THE SAN DIEGO DEPLOYMENT  
ROBERTS, G.B.  
D2-133703-56-1  
NO0600-69-C-0618  
REMARKS: REF TRIALS PLAN NEM026-P226 (10-U07188)

BOEING CO.  
(U) PATROL CRAFT HIGH POINT TRIAL SUMMARY AND LOGS  
FOR THE MISSION TRIALS OF THE SAN DIEGO  
DEPLOYMENT  
ROBERTS, G.B.  
D2-133703-56-2  
NO0600-69-C-0618  
REMARKS: REF TRIALS PLAN NEM026-P226 (10-U07188)

BOEING CO.  
(U) PATROL CRAFT HYDROFOIL HIGH POINT TRIAL SUMMARY  
AND LOGS FOR THE EVALUATION TRIALS OF THE SAN  
DIEGO DEPLOYMENT  
ROBERTS, G.B.  
D2-133703-56-3  
NO0600-69-C-0618  
REMARKS: REF TRIALS PLAN NEM026-P226 (10-U07188)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRCC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 2

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION OPERATIONS

QUERY-PART NO. MNNO10

OCT 17 1978

DOCUMENT  
NUMBER

10-U06964 F

BOEING CO.  
(U) TRIALS PLAN-AGEM-1 INTEGRATED TRIALS PROGRAM (16  
PP)  
NOV 72 RELEV 7

REMARKS: CANCELLED

BOEING CO.  
(U) TRIALS PLAN PCH-1 REMOTE OPERATION EVALUATION (9  
PP)  
MAY 73 RELEV 5  
BE167-P221

REMARKS: REF RPTS 10-U01874 AND 10-U02832  
REF-RPTS-10-U08487

BOEING CO.  
(U) TRIALS PLAN PCH-1 TECHNICAL EVALUATION DURING  
USCG OPERATION (17 PP)  
APR 75 RELEV 5  
BE223-P332  
NO060-75-C-1107

REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND  
REPORT 10-50115

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCH-1 EXERCISE ADMIRALTY TRIALS (U) (76 PP)  
1 COMPREHENSIVE REPORT OF 4-DAY OPERATION  
ROBERTS, J.M.  
LTR SER-01-72  
MAR 72 RELEV 4  
REMARKS: REF TRIALS PLAN NE028-P230 (10-U08728) AND  
REPORT 10-50115

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCH-1 EXERCISE COMPTUE 1-71 TRIALS (U) (46 PP)  
ROBERTS, J.M.  
APR 72 RELEV 4  
SER 02-72  
REMARKS: REF TRIALS PLAN NE028-P226 (10-U07188)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINAL ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION OPERATIONS

QUERY-PART NO. 1000010

DOC 17 1978

DOCUMENT

NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) SUMMARY OF HYDROFOIL PARTICIPATION IN FLEET  
EXERCISES (U)(15 PP)  
RABEL, C.R.  
REBEL, C.R.  
REMARKS: REF TRIALS PLAN NE208-P226 (10-07188)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-PCH-1 MOD-1 SMOOTH WATER  
CHARACTERISTICS (23 PP)  
O'NEILL, W.C.  
APR 73 RELEV 5  
NU0428-P290  
LTR PCH:JMR:ME:SER 11-73  
REMARKS: REF RPT 10-U09810-TURNING, TRIM AND STEP  
RESPONSE CHARACTERISTICS

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) HIGH POINT (PCH-1) TRANSIT FROM BREMERTON,  
WASHINGTON TO SAN DIEGO, CALIFORNIA AND RETURN  
ROBERTS, J.W. MAY 73 RELEV 5  
LTR PCH:JMR:ME:SER 11-73  
REMARKS: REF TRIALS PLAN BE 167-P221 (10-U06937) AND  
REPORT 10-01974

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PLAINVIEW (AGEH-1) POST OVERHAUL OPERATIONAL  
LIMITS SEPTEMBER 1976 (17 PP)  
LTR-SER 158-78  
REMARKS: OPERATIONAL RED LINE LISTINGS

GENERAL ELECTRIC CO.  
(U) COMPATIBILITY EVALUATION AND DEMONSTRATION  
BETWEEN ASW FOED ARRAY SONAR AND HIGH SPEED  
CRAFT (U)(26 PP)  
SEPT 73 RELEV 4

10-U007241 F

10-U02632 F

10-U08456 N

10-500109L

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR  
PAGE 4

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
MISSION OPERATIONS

QUERY-PART NO. MNNO10  
OCT 17 1978  
DOCUMENT  
NUMBER

GRUMMAN AEROSPACE CORP.

(U) AGEMH-1 IN SUPPORT OF FUTURE HYDROFOIL SYSTEMS  
DEVELOPMENT-FISCAL YEAR 1974:VOL 1 HISTORICAL  
COMPENDIUM OF INVESTIGATIONS CONDUCTED IN FISCAL  
YEAR 1974 (U)(53 pp)

JULY 74 RELEV 4

N00406-74-C-0632

REMARKS: SOME COST ESTIMATES INCLUDED

10-C00776 LM

(U) USE OF PLAINVIEW (AGEHM) TO EVALUATE ACTIVE  
PASSIVE RELIABLE ACOUSTIC PATH SONAR (APRAPS)  
SYSTEM (42 pp)

MAR 258-070-1  
FEB 76 RELEV 5

N00600-76-C-0246

REMARKS: SEE COMMENTS ATTACHED TO BACK COVER

10-U07758 LM

(U) LIGHTWEIGHT WEAPON SYSTEM DEMONSTRATION PLAN FOR  
A LARGE HYDROFOIL (U) (53 pp)

MAR 75 RELEV 4

N00406-75-C-1068

REMARKS: GOOD DISCUSSION OF AAW ENGAGEMENT  
GEOMETRIES.

10-C00983 M

(U) COMMENTS ON PCM-1 IN EXERCISE ADMIRALTY (U)(2 pp)  
MCMAHON, C.A.  
JAN 72 RELEV 4

LTR N232-001/J601

REMARKS: REF TRIALS PLAN N0028-P230 (10-U06728)  
10-S00115

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION OPERATIONS

QUERY-PART NO. WNS010

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL ELECTRONICS LABORATORY CENTER  
(U) TRIALS PLAN-PCH-1 IN EW TRIALS-INSTALLATION PLAN  
BERESFORD, D.M.  
RAHEY, D.R.  
NE029-300

JULY 73 RELEV 5  
REMARKS: REF RPT 10-500133

NAVAL ELECTRONICS LABORATORY CENTER  
(U) TRIALS PLAN-PCH-1 IN EW TRIALS-INSTALLATION PLAN  
17 PPI  
BERESFORD, D.M.  
NEC36-319

JULY 74 RELEV 5  
REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

NAVAL ELECTRONICS LABORATORY CENTER  
(U) HYDROFOIL SHIP SIGNATURE EVALUATION STUDY (U)  
(102 PPI)  
EPSTEIN, R.R.  
NELC LTR SER 0232-S19  
(LST-1188) (U)

REMARKS: REF TRIALS PLAN NM036A-A280 (10-U07239).  
EXCELLENT REVIEW OF EXISTING HYDROFOIL SIGNATURE  
INFO.

NAVAL SURFACE WEAPONS CENTER, OAHU GREEN, VIRGINIA  
(U) RESULTS OF THE VERSATILE ELECTRO-OPTICAL SYSTEM  
SHIPBOARD DEMONSTRATION ABOARD THE USS SAGINAW  
(TOMAR, J.M.) (U)

MAY 78 RELEV 3  
NSAC/OL TN-3491  
ADC006147

REMARKS: DESCRIBES AT-SEA-DEMONSTRATION OF (VEOS)  
FOR AMPHIBIOUS AND FIRE CONTROL MISSIONS. SEE  
HYDROFOIL TRIALS PLAN MY95-P314 (10-U07163)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS 7 ADVANCED SHIP DATA BANK

PAGE 6

SEARCH FOR  
HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
MISSION OPERATIONS

QUERY-PART NO. WNN010

SEARCH FOR

DOC 17 1978

DOCUMENT

NUMBER

10-C00400 M

NAVAL TORPEDO STATION, KEYPORT, WASHINGTON

(U) PLAINVIEW (AGEN-1) TORPEDO LAUNCHING TRIALS OF 23

FEBRUARY 1972 (U)(35 PP)

AIRTR. S.P.

RPT-1160

SEPT 72 RELEV 4

WRA-2-0129

REMARKS: REF TRIALS PLAN WNO34-1282 (10-U07234)

U. S. COAST GUARD

(U) OPERATIONAL EVALUATION OF THE HYDROFOIL CONCEPT  
FOR U. S. COAST GUARD MISSIONS, PHASE III  
REPORT C. OPERATIONS WITH USCGC HIGH POINT (WMEH-1)

11 1165 PP

IRVINE, J.F.

BLAKE, D.T.

CG-5-192-5

JUNE 75 RELEV 4

REMARKS: REF RPT 10-U09849

U. S. COAST GUARD

(U) OPERATIONAL EVALUATIONS OF THE HYDROFOIL CONCEPT  
FOR US COAST GUARD MISSIONS-EXECUTIVE SUMMARY (24

PP)

EMRMON, P.L.

WILLIAMS, R.Z.

CG-0-14-78

DEC 75 RELEV 3

ADA022499

U. S. NAVY HYDROFOIL HIGH POINT (WCHM-1)

(U) FINAL REPORT ON HYDROFOIL SPECIAL TRIALS UNIT  
MISSION PLAN BE 167-P221-PCHM-1:REMOTE OPERATION  
EVALUATION PLAN

ROBERTS, J.H.

LTR PCHM:UHR:MF, SER 10-73

MAY 73 RELEV 4

REMARKS: REF TRIALS PLAN BE 167-P221 (10-U06937) AND

RPT 10-U02632

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

STRUCTURES

SHARP SEARCH RESULTS > ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 1

**HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY**

QUERY-PART NO. WNH011

OCT 17 1978

DOCUMENT NUMBER

**BOEING CO.**  
(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED EXPERIENCE

COHEN, R.

FRENCH, H.

WATSON, F.

D221-11000-2

NO6600-71-C-0556

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA DEVELOPMENT. SEE BOEING DOC. D221-11000-3 (REF NO. U0-4820) CURRENTLY UNDER NAVY REVIEW.

**BOEING CO.**

(U) SEARCH FOR STRUCTURALLY SIGNIFICANT SMOOTH WATER MANEUVERS ON PCW MOD-0 (6 PP)

LTR-2-1508-100C-686

LTR-2-1524-1000-835

REMARKS: LIST OF TAPES AND TIMES WHERE EXTREME MANEUVERS WERE EXPERIENCED. ALSO SUMMARY OF 4/30/68 LOG IMPACT

10-U05847 F

**BOEING CO.**  
(U) TEST TECHNIQUE DEVELOPMENT-STRUCTURAL DEFLECTION

MEASUREMENT ON PCW-1: CANCELLATION OF (1 PP)

LTR-2-1524-1000-835

NO6600-69-C-0618

REMARKS: INCOMPLETE ANALYSIS AND DOCUMENTATION

**BOEING CO.**

(U) WAIN STRUT EXTENSION/RETRACTION SYSTEM TEST RESULTS

SONENSON, D.

JAN 73

RELEV 7

HYSTU PLAN BE205-PC

10-U05848 F

**BOEING CO.**  
(U) WAIN STRUT EXTENSION/RETRACTION SYSTEM TEST

RESULTS

SONENSON, D.

JAN 73

RELEV 5

LTR-2-1524-1000-835

NO6600-69-C-0618

REMARKS: INSUFFICIENT AND INCOMPLETE ANALYSIS AND DOCUMENTATION

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

DATAFILE # AND # TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

DATAFILE NO. UN4011

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) STRUCTURAL INSPECTION-AGEN-1 PLAINVIEW PRE-ROUGH  
WATER TESTING (1972) HYSTU PLAN 8E129-A1971  
LTR 2-1524-1000-927 JAN 73 RELEV 4  
N00600-69-C-0618

BOEING CO.  
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION  
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL  
LINKAGE FAILURE  
COLVAN, J.T.  
TR-2-15  
N00600-69-C-0618  
REMARKS: ALSO SEE NSRDC MEMO, DB NO. 10-U2263

BOEING CO.  
(U) PLAINVIEW SHIP MOTIONS AND ACS OPERATION  
FOLLOWING THE STARBOARD FOIL INCIDENCE CONTROL  
LINKAGE FAILURE  
COLVAN, J.T.  
TR-2-15  
N00600-69-C-0618  
REMARKS: REF TRIALS PLAN NM0401-A272 (10-U07239)

BOEING CO.  
(U) AGEN-1, AFT STRUT STRUCTURAL REVIEW, STATION 75  
TO 125  
ROUND, D.M.  
LTR 2-1524-1000-961  
N00600-69-C-0618

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

QUERY-PART NO. MNNO11

OCT 17 1978

DOCUMENT NUMBER

10-U02769 M

BOEING CO.  
(U) INCIDENCE CONTROL ROD LOADS AND FOIL ANGLE  
DISPLACEMENTS PLAINVIEW, AGEH-1

ROUND, D.H.  
YOUNGSTROM, M.R.  
LTR 2-1524-1000-1074  
NO0600-69-C-0618  
REMARKS: REF. MASTU MTA NO. 0818-73-068A

BOEING CO.  
(U) STRUCTURAL MONITORING REQUIREMENTS FOIL AND STRUT  
INSTRUMENTATION SYSTEM HIGH POINT PCH-1 (MOD 1)15

NOV 1973  
ROUND, D.H.  
LTR 2-1524-1000-1133  
NO0600-69-C-0618  
REMARKS: REVISED

BOEING CO.  
(U) SHIP BEHAVIOR DURING HARPON/HYDROFOIL  
COMPATIBILITY TESTS ON HIGH POINT (PCM-1)

MAR 74 RELEV 4  
LTR 2-1524-1000-1192  
NO0600-69-C-0618  
REMARKS: REF TRIALS PLAN CRN045-P305 (10-U07247)

BOEING CO.  
(U) BOEING RECOMMENDED ITEMS FOR NSRDC WORKSHOP (JUNE 1974)

JUNE 74 RELEV 5

10-U05489 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE CINCATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. MNO011

OCT 17 1978

DOCUMENT  
NUMBER

10-U05711 M

BOEING CO.  
(U) LATERAL BENDING MOMENT LOADS AND RUDDER TORQUES  
AFT STRUT, PLAINVIEW (AGEM-1). 1 AND 9 NOVEMBER  
1972 (39 PP)  
ACUNO, D.M.  
LTR 2-1524-1000-1333  
N00600-69-C-0618  
REMARKS: REF TRIALS PLAN BE138-A279 (10-U06961).  
CONTAINS DATA ON CYCLIC LOAD MEASUREMENTS  
OBTAINED IN SEA STATE 3.

10-U05720 M

BOEING CO.  
(U) HULL IMPACT TRIALS (89 PP)  
WAJSOR, F.B.  
TN-A-17  
N00600-69-C-0618  
REMARKS: REF TRIALS PLAN BE138-A248 (10-U06820).  
PROVIDES CORRELATION BETWEEN MEASURED AND  
PREDICTED RIGID BODY MOTIONS. REPORT IS LIMITED  
IN TERMS OF VALIDATING THE PREDICTION TECHNIQUES.

10-U06820 F

BOEING CO.  
(U) TRIALS PLAN-AGEM-1 HULL IMPACT CHARACTERISTICS  
(129 PP)  
BE138-A248  
REMARKS: REF RPT 10-U05720 (TN-A-17)

BOEING CO.  
(U) AFT NACELLE CRACKS, HIGH POINT (PCH-1). 1974-1975  
RAY (36 PP)  
ROUND, D.M.  
LTR 2-1524-1000-1448  
N00600-75-R-5007

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL: A AND D TRIALS DOCUMENTATION SUMMARY

OUT-OF-PART NO. MNM011

OCT 17 1978

DOCUMENT NUMBER

BOEING CO.  
(U) INVESTIGATIONS OF BOLTS FROM PCH-1 MOD-1 (10 PP)  
ROBERTS, E.C.  
APR '75 RELIEV 4  
METAL LAB RPT-5057

BOEING CO.  
(U) PCH-1 TRANSMITTAL OF REPORT (PHASE 1) STRUCTURAL  
STRAIN GAGE RESPONSES DURING THE STARBOARD  
FORWARD PROPELLER SHAFT FAILURE OF 9-26-75 (18 PP)  
RAND, A.H.  
NOV '75 RELIEV 4  
LTP 1524-1000-1608  
N0060-75-C-1107

BOEING CO.  
(U) WORK AND ANALYSIS PLAN FOR HYDROFOIL LOADS  
CRITERIA SUPPORT-HIGH POINT (PCH-1) MOD 1: REPORT  
NO. 3 LOADING INCIDENTS-ROUGH WATER TRIALS. NOV-  
DEC 1975 (25 PP)  
ROUND, D.H.  
LTP M-73CB-1000-1706  
N0060-75-C-1107  
REMARKS: A TABULATION OF HIGH OR UNUSUAL LOADING  
INCIDENTS DURING THE ROUGH WATER TRIALS OF PCH.

BOEING CO.  
(U) FATIGUE ANALYSIS OF THE PCH-1 KING POST (45 PP)  
ROUND, D.H.  
MAR '77 RELIEV 4  
PSP-6

BOEING CO.  
(U) FAILED AGEH-1 PROPELLER M & P METALLURGICAL  
LABORATORY SUPPORT (7 PP)  
ROBERTS, E.  
2-5G-A-0677-276  
N0060-75-C-1107  
REMARKS: REI-MTA-11C7-77-010A & D/B MO. 13-009827

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THE DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 6

SEARCH FOR

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PARTY NO. MNNO11

OCT 17 1978

DOCUMENT  
NUMBER

10-U09827

BOEING CO.  
(U) AGENT-1 FAILED PROPELLER BLADE FATIGUE TEST  
LABORATORY TEST REPORT (5 PP)  
ROBERTS, E. MAR 78 RELEV 4  
2-518-0078-048  
N00620-75-C-1107  
REMARKS: REF-INA-1107-77-010A-REV-1 6 D/B NO.  
10-U09828

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PCN-1 EXECUTIVE ADMIXTURE TRIALS (U) (76 PP)  
INCOMPREHENSIVE REPORT OF 4-DAY OPERATION  
ROUGHTON, J.M. MAR 72 RELEV 4  
LTR-5CR-01-72  
REMARKS: REF TRIALS PLAN N0028-P230 (10-U09728) AND  
REPORT 10-S00115

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGENT-1 DESIGN AND INSTALLATION OF  
PERMANENT STRUT SPRAY FENCES (5 PP)  
AUG 72 RELEV 7  
HY078-A274  
REMARKS: REF RPTS 10-U01898 (FENCES WERE LATER  
REMOVED). NO FINAL REPORT RELEASED.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGENT-1 DESIGN FABRICATION AND  
INSTALLATION OF LENGTHENED/STRENGTHENED HY-120  
TAIL STRUT (9 PP)  
AUG 72 RELEV 5  
HY079A-A276  
REMARKS: SEE GRUMMAN DESIGN AND CONSTRUCTION  
DOCUMENTATION

10-C00760

10-U07148 F

10-U07149 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 7

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART: NO. WNO11

OCT 11 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U01230 M  
(u) MEASUREMENT OF AGEM STRUT-FOIL AND MULL DYNAMIC  
CHARACTERISTICS BY PLUCK TEST  
PEOPLES, J.R.  
TAE-SAD-13E-1966  
RELEVE: 2  
REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND  
EXPERIMENTAL TECHNIQUES

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05840 M  
(u) FATIGUE DAMAGE SURVEY OF EXISTING HIGH  
PERFORMANCE SURFACE SHIPS (14 PP)  
JOHNSON, W.S.  
TN-SD-173-236  
RELEVE: 4

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U01441 M  
(u) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR  
T-FOILS ON SIX FULL-SCALE HYDROFOIL CRAFT  
BESCH, P.K.  
TN-SPD-226  
REMARKS: PHM DATA OUT OF DATE AS OF 02/73

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U02263 M  
(u) FAILURE OF PLAINVIEW (AGEH-1) STARBOARD FOIL  
INCIDENCE LINK, 11 DECEMBER 1972  
VARNALL, P.  
NEW 73-173-W98  
REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE  
AND MULL IMPACT. SEE DB NO. 10-01911

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07156 M  
(u) TRIALS PLAN-AGEH-1 FLAP CONTROL SYSTEM (8 PP)  
APR 73 RELEVE 5  
HY087-A288  
REMARKS: REF RPTS 10-U05961, 10-U05055, 10-U02390.  
10-U02391 AND 10-U02407

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

QUERY-PART NO. 10NN011

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) SERVICE OF STRUT AND FOIL DAMAGE ON  
NAVY HYDROFOILS (3 PP)  
RABEL, C.R. JUNE 73 RELEV 3  
NED20 MF-114/ 7566-1 GEN  
REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A  
COMPREHENSIVE TREATMENT

10-U05675 N

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 MOD-1 CALM WATER STRUCTURAL  
TESTS (27 PP)  
BUCKLEY, M.H. JUNE 73 RELEV 5  
NAD49-P294  
REMARKS: REF RPTS 10-U05046, 10-U06834, 10-U05847  
AND 10-U05118

10-U07245 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) RESULTS OF INSPECTION OF AGE-1; PLAINVIEW STRUTS  
AND FOILS, DURING SEPTEMBER 11-21, 1973  
JOHNSON, R.E. OCT 73 RELEV 5  
MEMO CODE-173-2

10-U02802 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) TRIALS PLAN-PCH-1 HARPOON CANISTER LAUNCHER  
EVALUATION AND INTERFACE INVESTIGATION (11 PP)  
RABEL, C.R. NOV 73 RELEV 5  
NAD45-P305  
REMARKS: REF RPTS 10-U02851, 10-105173, 10-C00733,  
10-U05551, 10-U05336, 10-U05337, 10-U05549,  
10-U05553, 10-U05559, 10-U05121, AND 10-U05603  
MEMO CODE-173-2

10-U07243 F

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) HIGH POINT, PCH-1 MOD 1 DEBRIS AVOIDANCE INCIDENT  
ON 5 DECEMBER 1973  
YARNALL, P. FEB 74 RELEV 4  
MEMO CODE-173-3

10-U05038 N

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENCE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 9

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

STRUCTURAL

QUERY-PART NO. WNA0011

OCT 17 1978

DOCUMENT

NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) RESULTS OF VISIT TO MASTU, BOEING NAVAL SYSTEMS

DIVISION AND PRELIMINARY RESULTS OF PCH-1 MOD 1  
CALM WATER STRUCTURAL TRIALS. FEBRUARY 20-26,

1974  
BUCKLEY, M.H. MAR 74 RELEV 5  
MEMO CODE-173.3

10-004996LF

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ADEQUACY OF PCH-1 MOD 1 FORWARD STRUT DESIGN

LOADS  
BUCKLEY, M.H. APR 74 RELEV 2  
MEMO 173:WMB 74-173-N676

REMARKS: REF TRIALS PLAN N0049-P294 (10-007245)

10-005046 M

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PRELIMINARY RESULTS OF PCH-1 MOD 1 ROUGH WATER

TRIALS (STRUCTURAL DATA)  
BUCKLEY, M.H. APR 74 RELEV 4  
14-173-N652

10-005118 M

REMARKS: REF TRIALS PLAN N00548-P310 (10-007249).  
MEMO ALSO REVIEWS STRUCTURAL DETAILS OF MOD-1  
CONTROL SYSTEM

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) PCH-1 MOD 1 KING POST DRAG BENDING

YARVALL, P. APR 74 RELEV 5

MEMO 173:PY 74-173-N65

REMARKS: DESCRIBES DETAILS OF PCH-2 KING POST  
STRUCTURAL CRACK, AND FAILURE

10-005119 F

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK  
SEARCH FOR PAGE 10  
HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. MNNO11

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) USS PLAINVIEW (AGEN-1) PRELIMINARY VIBRATION

STUDIES-REF TRIALS PLAN MN031-A231 (10-U07231)  
SCHAUER, R.E. APR 74 RELEV 2

T&E-SAD-79E-1986

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE  
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL  
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT  
FLUTTER SPEEDS. COMPARISON WITH MIL STD 167B AND  
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U05436 M  
(U) HARPOON/HIGH POINT TRIALS : SUMMARY OF STRUCTURAL

SUPPORT ACTIVITIES YARNALL, P. MAY 74 RELEV 4

LTR-74-173-482

REMARKS: REF TRIALS PLAN MN031A-P302 (10-U07247) AND  
MN045-P305 (10-U07245)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) INSPECTION TRIP TO U. S. NAVY HYDROFOIL  
PLAINVIEW (AGEN-1)12-14 OCT 1973 (TRIP REPORT)  
JOHNSON, W.S. JUNE 74 RELEV 2

LTR 74-173-99:173:MSJ

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) SEA SPARRON/HYDROFOIL COMPATIBILITY TRIALS  
YARNALL, P. JULY 74 RELEV 4

MEMO CODE-173: PY:74-173-M

REF TRIALS PLAN MN030A-A27 (10-U07239)  
REMARKS: ASPECTS OF TRIAL PERTAINING TO

HYDROFOIL STRUCTURES

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 11

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. BRN011 OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-007256 F

(U) TRIALS PLAN-PCH-1 MOVIES OF STRUCTURAL MANEUVERS  
(7 PPI)

YARNALL, P. JULY 74 RELEV 5  
NW062-P324C

REMARKS: ONE MOVIE COMPLETED-REMAINDER OF TRIAL  
CANCELLED 12111.6315:1092::A:567:2002:0100

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-007257 F

(U) TRIALS PLAN-PCH-1 STRUCTURAL INSTRUMENTATION  
INSTALLATION (124 PP)

YARNALL, P. JULY 74 RELEV 5  
NW063-P327C

REMARKS: EQUIPMENT INSTALLED-NO REPORT REQUIRED

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-005645 M

(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP  
HELD JUNE 12-13 1974

SEPT 74 RELEV 4  
LTR 115:DJC:9080 OF 18 SE

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-005684LM

(U) FATIGUE LOADS FOR PHM CONTROL LINKAGES (120 PP)  
BUCKLEY, W.H. SEPT 74 RELEV 2  
74-173-4187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PCH MOD-  
1 TRIALS DATA

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-005770 M

(U) CRACKS IN THE PROPULSION PODS OF HIGH POINT (PCH-  
1 MOD-1)  
YARNALL, P. NOV 74 RELEV 4  
74-173-4208

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 12

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. MNH011

OCT 17 1978

DOCUMENT  
NUMBER

10-U06345LF

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIP REPORT TO HYSTU AND BOEING (RE: AGEM

FOIL/STRUT INSPECTION; PCH-1 MOD-1 TRIALS SUMMARY  
(21 pp)

NOV 74 RELEV 5  
YARNALL, P.  
JAD/74-173-421

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07726 M  
(U) RESULTS OF PRELIMINARY VIBRATION SURVEY OF PCH-1  
PROPELLER GEAR BOX, NOV. 12-14, 1974 (13 pp)

DEC 74 RELEV 4  
74-173-M224

10-U08541

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08541  
(U) HYDROFOIL DEBRIS IMPACT HISTORY (3 pp)

MAR 75 RELEV 7  
LTR 3000/HYDRO HF-21

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U063356 M  
(U) PRELIMINARY RESULTS OF PCH-1 PROPELLER GEAR BOX  
STRAIN MEASUREMENTS DURING POST RAY CHECKOUT  
(3.21/75) AND IN-AIR TESTS (3.15/75)(18 pp)  
BUCKLEY, W. M.  
MAY 75 RELEV 4  
75-173-M60

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U09822  
(U) NACELLE & FOIL SYSTEM BOLTS, REPLACEMENT OF (11  
pp)

OCT 75 RELEV 4  
75-173-M149

REMARKS: REF WTA 0610-75-013P

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPATING ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 13

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. UNNO11

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) POSSIBLE INTERACTION BETWEEN PCH-1, MOD 1 AFT  
FOIL SYSTEM VIBRATION MODE AND AUTOMATIC CONTROL  
SYSTEM (8 pp)  
BUCKLEY, W.  
NEDO 75-173-M164

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) REPORT OF VISIT TO BOEING RENTON PLANT 10/28  
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/28 AND  
10/29, AND VISIT TO NICKUM AND SPAULDING  
ASSOCIATES 10/29 (4 pp)  
BUCKLEY, W.  
LTR-75-173-M162  
N00600-75-C-1107

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) REVIEW OF CONTRACTOR FATIGUE LOADS FOR UPPER END  
OF PHM-1/PHM-3 FORWARD STRUT (16 pp)  
BUCKLEY, W.  
NEDO 75-173-177

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL 1 & VOL II  
(U)  
TN-SDD-115-18  
REMARKS: REF DB/HO 10-S00168

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) UNSTEADY LOADS ON PCH-1 MOD-1 AFTER FOIL SYSTEM  
(13 pp)  
GILL, D.E.  
76-173-967

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. ~~OR~~  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 14

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. WNO011

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PHM-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMISSION TO BOEING FOR COMPARISON WITH SIMILAR  
PHM-1 DATA (63 PP)  
PHM-1 DATA (63 PP) SEPT 76 RELEV 4  
LTR-76-173-M125  
REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE  
MANEUVERS AND FORWARD FOIL BROACHES.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) PHM-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMISSION TO BOEING FOR COMPARISON WITH SIMILAR  
PHM-1 DATA (63 PP)  
GILL, D.E. SEPT 76 RELEV 4  
LTR-76-173-M125  
REMARKS: REF TRIALS PLAN NM049-P294 (10-U07245)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL  
INITIATIVES  
BUCKLEY, W.H. NOV 76 RELEV 2  
HEMO-76-173-M146  
REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) RESULTS OF VISIT TO BOEING (MSD)  
OF PHM-3 SERVICE LOADS & PHM-1 (MOD-1) KING POST  
FATIGUE ANALYSIS (8 PP)  
BUCKLEY, W.H. MAR 77 RELEV 4  
LTR-77-173-M69

10-U08865 LM  
10-U08868 LM

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICRIFTIC COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 15

SEARCH FOR  
HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. MNNO11

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) IMPROVED SET OF PCH-1 ROD-1 FORWARD STRUT LOAD  
CALIBRATION EQUATIONS (18 PP)  
GILL, D.E.  
MEMO 77-173-M174

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) REVIEW OF FLIGHT SAFETY REQUIREMENTS FOR  
STRUCTURAL INSTRUMENTATION ON PLAINVIEW (AGEH-1)  
(119 PP)  
YARNALL, P.  
MEMO 77-173-M176

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TAILS PLAN-AGEH-1 CALM WATER FOIL LOAD  
CHARACTERISTICS-PART A (182 PP)  
BEACH, J.E.  
Na030-A227

REMARKS: NO REPORT

GRUMMAN AEROSPACE CORP.  
(U) AGEH FLAP LIFT CONTROL SYSTEM STRESS ANALYSIS  
APR 73 RELAY 4

RPT 718-901-4  
N0006-72-C-0729  
REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156). A  
VERY VOLUMINOUS REPORT (4 INCHES THICK)

HENRY (J. J.) CO., INC.  
(U) FOUNDATION FOR HARPOON LAUNCHER ON PCH-MDO  
1-SCANTLING CALCULATIONS  
JUNE 73 RELAY 4  
J.O. # 1645-03  
REMARKS: REF TRIALS PLAN N0045-P305 (10-U07243)

10-007230 P

10-002407

10-002851 M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

AD-A102 138 WHEELER INDUSTRIES INC WASHINGTON D C  
ADVANCED HYDROFOIL DEVELOPMENT TRIALS PROGRAM DOCUMENTATION REV--ETC(U)  
OCT 78 N00600-75-D-0799

NL

UNCLASSIFIED

3 of 3  
20-2  
02146

END  
DATE FILMED  
8-81  
DTIC

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 16

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. WNN011

OCT 17 1978

DOCUMENT  
NUMBER

HENRY, (J. J.) CO., INC.  
(U) FOUNDATION FOR CANISTER LAUNCHER ON PCH-1  
SKETCH NO 100-1  
RELEVE 5  
REMARKS: REF TRIALS PLAN NNO45-P305 (10-U07243)

NAVAL UNDERSEA CENTER

(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL  
EVALUATION PART II SYSTEM DESCRIPTION AND  
OPERATIONAL CRITIQUE  
CALMINS, D.E.

FORD, L.A.

NUC TP 241: PART II

AD907566L

REMARKS: FOR ALL 5 PARTS SEE DS NOS. 10-U02314 THRU  
10-U02318L. NNR DC LIBRARY U006367

10-U02317LM

PUGET SOUND NAVAL SHIPYARD  
(U) USS HIGH POINT (PCH-1) (DD-1)-STRUCTUREBORNE AND  
AIRBORNE NOISE SURVEY

RELEVE 2  
MAY 74

T-10146

REMARKS: REF TRIALS PLAN NAO34A-P301 (10-U07286)

10-U05493 M

SPAEGENS (L. W.)  
(U) EVALUATION OF TORSIONAL VIBRATION CHARACTERISTICS  
OF FOILBORNE PROPULSION SYSTEMS-HYDROFOIL  
PLAINVIEW (AGM-11)

SPAEGENS, T.W.

C150B-1

N00406-72-C-0527

REMARKS: INTERIM REPT. SEE DS NO. 10-U02629

10-U02023 M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

PAGE 17

SEARCH FOR  
HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
STRUCTURAL

QUERY-PART NO. MNNO11

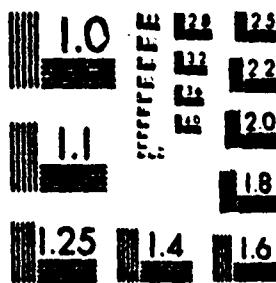
OCT 17 1978

DOCUMENT  
NUMBER

10-002029 M

SPAEGENS, Y. M.  
(1) PRELIMINARY ANALYSIS OF POSSIBLE SOLUTIONS TO  
TORSIONAL, FLEXURAL AND LONGITUDINAL VIBRATION  
PROBLEMS, IN FOILBORNE PROPULSION SYSTEMS;  
HYDROFOIL "PLAINVIEW" (AGEH-1)  
SPAEGENS, Y. M.  
C1508-3  
NO0406-72-C-0527  
REMARKS: SEE DP. NO. 10-002023

UNCLASSIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963 A

HYDRODYNAMICS

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 1

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY

HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNA012

OCT 17 1973

DOCUMENT

NUMBER

SOEING CO.  
(U) DILUTED VERSION OF PCN-1 MULBORNE SEAKEEPING

CHARACTERISTICS

BTG.C. D.F.

TH-P-19

NO0600-69-C-0618

REMARKS: EVALUATES EFFECTS OF ACTIVE CONTROL SYSTEM  
AND FOIL POSITION ON MULBORNE MOTIONS

SOEING CO.

(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED  
EVALUATION

LCN, R.

LTG, H.

ATL, F.

APR 72

RELEV 1

D221-1000-2

NO0600-71-C-0556

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA  
DEVELOPMENT. SEE BOEING DOC. D221-1000-3

(DS-40. UO-4820) CURRENTLY UNDER NAVY REVIEW.

BOEING CO.

(U) STATUS OF SPRAY SHIELD EVALUATION AND  
HYDRODYNAMIC OBSERVATIONS. INTERIM REPORT

RCIUS, D.

LIN-2

1506-1000-448

NO0600-69-C-0618

REMARKS: REI TRIALS PLAN HY078-A274 (10-U07148) NO  
FINAL REPORT EVER RELEASED

BOEING CO.

(U) TRIALS PLAN-AGEH-1 SIX DEGREE OF FREEDOM DIGITAL  
SIMULATION OF THE FOILBORNE (6 PPI)

JAN 73

RELEV 5

BE205-4285

REMARKS: REF RPTS 10-U05491

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

10-U04622 M

10-U04622 M

10-U01896 F

10-U01896 F

10-U06967 F

10-U06967 F

SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY

QUERY-PART NO. MNNO12

OCT 17 1978

DOCUMENT  
NUMBER

BOEING CO.  
(U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL  
DIRECTIONAL STABILITY AND PLAT TURNING  
CHARACTERISTICS

REF. D.F.  
1974-5-11  
REF. D.F.  
1974-5-11  
REF. D.F.  
1974-5-11

REF. D.F.  
1974-5-11  
REF. D.F.  
1974-5-11  
REF. D.F.  
1974-5-11

10-002444 M

BOEING CO.  
(U) LOCATIONS FOR AND RESULTS FROM THE DIGITAL  
SIMULATION OF THE FOILBORNE AGM-1  
WEAPONS, P.J.  
1019-5-1500  
100600-69-C-0610  
REF: REF TRIALS PLAN BE7206-A285 (10-U06967)

10-005491 R

REF: REF: REF TRIALS PLAN BE7132A-A261 (10-U06824)

BOEING CO.  
(U) AGM-1 PLAINFIELD, RESULTS OF PRE-ROUGH WATER  
TRIAL, PART A  
CHANG, F.  
10-4-14  
100600-69-C-0610  
REF: REF TRIALS PLAN BE7152A-A273 (10-U06922)

10-005037 M

BOEING CO.  
(U) BOEING RECOMMENDED ITEMS FOR NSRDC WORKSHOP (JUNE  
1974)

10-005489 F

JUNE 74  
REF: REF

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP - A BANK  
SEARCH FOR PAGE 3

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. UNNO12

DOC 17 1978  
DOCUMENT NUMBER

BOEING CO. 10-U00953

(U) ANALYSIS OF PEGASUS (PCH-1) AND HIGH POINT (PCH-1  
NO.1) FOIL CAVITATION AND CAMBER (38 PPI)  
OCT 76 RELEV 4  
W-7520-7904-013

NO0023-73-C-0257

REMARKS: REF TRIAL PLAN NM076-P334 (10-U09837)

BUNKER-RAMO CORP. 10-C00019L

(U) ACTIVE/PASSIVE RELIABLE ACOUSTIC PATH SONAR  
APRAPS ANALYSIS AND PREDICTION MODEL AND FINAL  
TECHNICAL REPORT (U) (198 PPI)  
JUNE 77 RELEV 4

DOC NO 50039-7C9

NO0023-76-C-6220

REMARKS: GOOD SUMMARY OF APRAPS DEVELOPMENT PROGRESS  
TO DATE.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-GEN-1 PRESSURE MEASUREMENTS (23 PPI)  
WILBARKS, E.A. APR 72 RELEV 5

NA036A-A260

REMARKS: REF RPT'S 10-200137, 10-500123, 10-C00978

AND 10-U05531

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

10-U07236 F  
(U) MEASUREMENT OF AGEN STRUT-FOIL AND HULL DYNAMIC  
CHARACTERISTICS BY "PLUCK" TEST  
PEPPLES, J.R. SEPT 72 RELEV 2

TAE-SAD-13E-966

REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND  
EXPERIMENTAL TECHNIQUES

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

10-U01230 W  
(U) MEASUREMENT OF AGEN STRUT-FOIL AND HULL DYNAMIC  
CHARACTERISTICS BY "PLUCK" TEST  
PEPPLES, J.R. SEPT 72 RELEV 2

TAE-SAD-13E-966

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC; BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP - A BANK

SEARCH FOR

PAGE 4

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. MNNO12

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR  
T-FOILS ON SIX FULL-SCALE HYDROFOIL CRAFT  
BESCH, P.M.  
FEB 73 RELAY 3  
HYD-SPU-246

REMARKS: PHM DATA OUT OF DATE AS OF 02/73

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) TRIALS PLAN-AGEM-1 FLAP CONTROL SYSTEM (8 PPI)  
APR 73 RELAY 5

HYD87-A288  
REMARKS: REF. RPTS 10-U05061, 10-U05055, 10-U02390.

10-U02391 AND 10-U02407

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) RESULTS OF VISIT TO HYSTU, BOEING NAVAL SYSTEMS  
DIVISION AND PRELIMINARY RESULTS OF PCH-1 MOD 1  
CALM WATER STRUCTURAL TRIALS, FEBRUARY 20-26,  
1974  
BUCKLEY, W.H. MAR 74 RELAY 5  
WIND CODE-173.3

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ADEQUACY OF PCH-1 MOD 1 FORWARD STRUT DESIGN  
LOADS  
BUCKLEY, W.H. APR 74 RELAY 2  
WIND 173:WMB, 74-173-M76  
REMARKS: REF TRIALS PLAN NM049-P294 (10-U07245)

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) FOIL FLAP WIPERS ON HIGH POINT, PCH-1 MOD 1  
VARNALL, P. APR 74 RELAY 4  
74-173-M64

10-U05120 M  
QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. N00012

OCT 17 1978

DOCUMENT  
NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-005277 M

(U) USS PLAINVIEW (AGER-1) PRELIMINARY VIBRATION  
STUDIES-REF TRIALS PLAN N0031-1231 (10-007231)  
SCHAUBL, R.E. APR 74 RELEV 2

TAE-SAD-79E-1966

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE  
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL  
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT  
FLUTTER SPEEDS. COMPARISON WITH MIL STD 167B AND  
HUMAN VIBRATION TOLERANCES LEVELS ARE ALSO MADE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-005451 M

(U) HYDROELASTIC DESIGN OF SUBCAVITATING AND  
CAVITATING HYDROFOIL STRUT SYSTEMS

BESCH, P.H.  
LIU, Y.  
APR 74 RELEV 1

RPT-4357

REMARKS: PRESENTS DESIGN PROCEDURES AND PARAMETRIC  
TRENDS THAT CAN BE USED TO AVOID FLUTTER AND  
DIVERGENCE IN HYDROFOIL STRUT-FLUTTER SYSTEMS. A  
GOOD SUMMARY OF HYDROELASTIC RESEARCH THAT IS  
APPLICABLE TO THE DESIGNER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-005649 M

(U) SUMMARY OF HYDROFOIL TRIALS PLANNING WORKSHOP

HELD JUNE 12-13 1974

SEPT 74 RELEV 4

L79 115:DUC:9080 OF 18 SE

DAVID W. TAYLOR NAVAL SHIP R&D CENTER

(U) TRIALS PLAN-PCH-1 FLAP EFFECTIVENESS-STATIC  
DYNAMIC DURING MANEUVERS AND FOLLOWING BROACHING  
(127 pp)

O'NEILL, W.C.

N0065-329

DEC 74 RELEV 5

REMARKS: NO REPORT RELEASED

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHI .TA BANK  
SEARCH FOR PAGE 6

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY

HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. WNN012

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07468 M  
(U) REPORT OF VISIT TO BOEING RENTON PLANT 10/28.  
ATTENDANCE AT HYDROFOIL PROGRAM REVIEW 10/28 AND  
10/29, AND VISIT TO NICKUM AND SPAULDING  
ASSOCIATES 10/29 (4 pp)  
BUCKLEY, W.  
L18-75-173-M162  
N00600-75-C-1107

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-C01288LM  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL I & VOL II  
(U)  
JUNE 76 RELEV 1  
TN-SDD-115-18  
REMARKS: REF DB/ND 10-500168

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U07725 M  
(U) UNSTEADY LOADS ON PCM-1 MOD-1 AFTER FOIL SYSTEM  
PLAN (48 pp)  
GILL, D.E.  
JUNE 76 RELEV 4  
YARNALL, P.  
76-173-M67  
L18-75-173-9102

DAVID W. TAYLOR NAVAL SHIP R&D CENTER 10-U08621 M  
(U) REVIEW OF PCM-1 FOIL SYSTEM VIBRATION INFORMATION  
FOR USE IN PREPARATION OF VIBRATION SURVEY TRIALS  
PLAN (48 pp)  
YARNALL, P.  
AUG 76 RELEV 5  
L18-75-173-9102

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL K AND D TRIALS DOCUMENTATION SUMMARY

QUERY-PART NO. N00017

OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-008463 M  
(U) PCH-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR  
PCH-1 DATA (63 PP)

SEPT 76 RELEV 4

LTR-76-173-N125  
REMARKS: DATA ON CALM WATER DEBRIS AVOIDANCE  
MANEUVERS AND FORWARD FOIL BROADSIDES.

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-008834 M  
(U) PCH-1 MOD-1 CALM WATER TRIALS DATA FOR  
TRANSMITTAL TO BOEING FOR COMPARISON WITH SIMILAR  
PCH-1 DATA (63 PP)

GILL, D.E. SEPT 76 RELEV 4

LTR-76-173-N125  
REMARKS: REF TRIALS PLAN N0049-P294 (10-J07245)

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-009837  
(U) TRIALS PLAN-PCH-1 FORWARD FOIL CAVITATION  
VERIFICATION TRIAL (INCLUDES AGENDA) (32 PP)

NOV 76 RELEV 5

N0076-P334 REMARKS: RPT. DUE

DAVID W. TAYLOR NAVAL SHIP RD CENTER 10-009836  
(U) TRIALS PLAN-PCH-1 HS1001 VDS TRIALS (HYDRO  
PROJECT PLAN) (86 PP)

MAR 77 RELEV 5

HY103-P344 REMARKS: REPORT DUE BOEING TO REPORT SHIPS  
PERFORMANCE AGAINST WTA 1107-78-010P1

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.



SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK  
SEARCH FOR PAGE 9

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. MNNO12 OCT 17 1979

DOCUMENT NUMBER

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL  
EVALUATION-PART I SUMMARY AND D:TA  
CALKINS, D.E. AUG 72 RELEV 2  
NUC TP 241: PART I  
AD907565L

REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY NO U006367

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL  
EVALUATION PART II SYSTEM DESCRIPTION AND  
OPERATIONAL CRITIQUE

CALKINS, D.E.

FORD, L.A. AUG 72 RELEV 2  
NUC TP 241: PART II  
AD907566L  
REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY U006367

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TONED SYSTEM: TRIAL  
EVALUATION PART III: TONLINE HYDRODYNAMIC  
PERFORMANCE  
CALKINS, D.E.

NUC TP 241: PART III  
AD907567L

REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY NO. U006367

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 10

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
HYDRODYNAMICS/HYDROELASTICITY

QUERY-PART NO. MNNO012

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL

EVALUATION PART IV: DEPRESSOR HYDRODYNAMIC  
PERFORMANCE

CALKINS, D.E. AUG 72 RELEV 2  
NUC TP 241: PART IV  
AD907568L

REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU  
10-U02318L  
NSRDC LIBRARY NO. U006367

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL

EVALUATION PART V: TOWED SYSTEM  
(COMPUTER-SIMULATION CORRELATION

CALKINS, D.E.

TUNSTALL, E.B.

BENZ, R.C. AUG 72 RELEV 2  
NUC TP 241: PART V  
AD907569L

REMARKS: RPT ESTABLISHES VALIDITY OF DIGITAL AND  
ANALOG TOWED-SYSTEM SIMULATIONS. SEE DB NOS  
10-U02314 THRU 10-U02318L

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 1

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. MNO013

OCT 17 1978

DOCUMENT  
NUMBER

10-U02836 M

(U) DETERMINATION OF PCMH-1 HULLBORN SEAKEEPING  
CHARACTERISTICS

RIEL, D.F.

TN-P-19

NO0600-69-C-0618

REMARKS: EVALUATES EFFECTS OF ACTIVE CONTROL SYSTEM  
AND FOIL POSITION ON HULLBORN MOTIONS

10-U04822 M

(U) HYDROFOIL CRAFT STRUCTURAL CRITERIA-RELATED  
EXPERIENCE

COHN, R.

FRENCH, M.

MATSON, F.

D221-1000-2

NO0600-71-C-0558

REMARKS: FOR RECOMMENDATIONS FOR CRITERIA  
DEVELOPMENT. SEE BOEING LOC. D221-1000-3  
(OB NO. UO-4820) CURRENTLY UNDER NAVY REVIEW.

10-U02281 M

(U) SPEED AND POWERING TESTS WITH NEW TORQUE AND  
THRUST METERS (PCMH-MOD 0)

REIG, D.

LTP 2-1506-1000-685

NO0600-69-C-0618

REMARKS: GOOD SUMMARY OF PCMH-MOD 0 SMOOTH WATER  
SPEED AND POWERING TESTS WITH VARIOUS PROPELLERS

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHAKY SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 2

HYDROFOIL B AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. MNNO13

OCT 17 1978

DOCUMENT NUMBER

BOEING CO.

(1U) ANALYSIS OF THE RIDE QUALITY OF HYDROFOIL SHIP  
PCM-1 HIGH POINT, AND CORRELATION OF MEASURED  
RIDE PARAMETERS WITH ANALYTICAL PREDICTIONS

MARSHALL, A.O.

STARKE, D.R.

LTR 2-1568-3000-075

NO0073-73-C-0257

REMARKS: MAKES COMPARISON OF VERTICAL AND LATERAL  
ACCELERATIONS FOR PCM-HD-0, PCM-HD-1, PCM-  
2 AND JETFOIL

BOEING CO.

(1U) PLATINUM SHIP MOTIONS AND ACS OPERATION  
FOLDING THE STANDBOARD FOIL INCIDENCE CONTROL  
LIFT-PIPE FAILURE

COLLEMAN, J.T.

TH-A-15

NO0060-69-C-0618

REMARKS: ALSO SEE NSRDC REF. DB NO. 10-U2263

BOEING CO.

(1U) DIFFERENCES BETWEEN PREDICTED AND ACTUAL  
DIRECTIONAL STABILITY AND FLAT TURNING  
CHARACTERISTICS

THOMASSEN, R.E.

RIGG, D.F.

TH-A-11

NO0060-69-C-0618

REMARKS: REF TRIALS PLAN 86132A-A241 (10-U06024)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A PAY BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK  
SEARCH FOR PAGE 3

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. MNW013 OCT 17 1978

DOCUMENT NUMBER

10-C00541 N

BOEING CO.  
(U) ACT-1 CURRENT SPEED-POWER CHARACTERISTIC DATA

(U) 199A-A279 110-U069611

RTG, D.F.

LTR 2-1524-1000-1114

N000600-69-C-0618

REMARKS: REF TRIALS PLAN BE199A-A279 (10-U069611)

10-C004887 N

BOEING CO.  
(U) ACT-1 ROUGH WATER SPEED-POWER DATA-TRIALS PLAN

(U) 199A-A279 110-U069611

RTG, D.F.

LTR 2-1524-1000-1103

N000600-69-C-0618

REMARKS: CONTAIN SPEED, HP, PROP RPM AND TORQUE DATA  
FOR SEA STATES 3 AND 4.

10-C004888 N

BOEING CO.  
(U) RESULTS OF ROUGH WATER TRIALS (PHASE 1)-TRIALS

PLAN BE 199A-A279 (10-U069611)

ZHAKARIAN, A.

OLEHAM, I.I.

1-N-A-15

N000600-69-C-0618

REMARKS: CONTAIN ROUGH WATER DATA THRU SEA STATE 4

ONLY FULL-SCALE ROUGH WATER DATA TO DATE.

10-C006245 N

BOEING CO.  
(U) AFT HULL/ELLE CRACKS, HIGH POINT (PCH-11). 1974-1975

(U) DAV (36 PPI)

ROUND, D.M.

LTR 2-1524-1000-1448

N000600-75-R-5007

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 4

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. MNNO13

OCT 17 1978

DOCUMENT NUMBER

10-U08973LN

BOEING CO.

(U) HYDROFOIL COATINGS LOG (34 PP)

SEPT 76

RELEVE 3

MARIN, D. M.

D324-51306-1

400167-76-04-8241

REMARKS: AN IMPORTANT SUMMARY OF THE HISTORY OF  
COATING PERFORMANCE ON U. S. HYDROFOILS-HULL,  
FOILS, SURFACES.

10-C01113LN

(U) HYDROFOIL RADIATED NOISE (U) (37 PP)

OCT 76

RELEVE 3

ALLEN, W.

D324-14004-1

110-U072381

REMARKS: INCLUDES REVIEW OF ALMOST ALL U. S.

HYDROFOIL ACOUSTIC RADIATED NOISE INFO.

10-C00364 W

(U) UNDERWATER RADIATED NOISE SIGNATURE OF HYDROFOIL

PLAINVIEW (AGEN-1) (U) TRIALS PLAN MN039A-A267

110-U072381

REMARKS: REVIEW OF AGEN-1 TRIALS PLAN

WOCOS. C.M.

0PT 2504

NO0600-73-C-0466

AD506365

REMARKS: EXTENSIVE INVESTIGATION OF TECHNIQUES TO  
MEASURE HIGH SPEED CRAFT SIGNATURE. 3-D BEAM  
PATTERNS OF AGEN FOILBORNE AT 2 SPEEDS.

10-C00708  
(U) HYDROFOIL HIGH POINT (PCH-1) RADIATED NOISE

SIGNATURE AND TACTICAL CONSIDERATIONS (U) (65 PP)

WILES, P. R.

GOOS, C.M.

110-221

NO0600-73-C-0466

REMARKS: REF TRIALS PLAN MN039-P313 (10-U07253)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 5

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. SHNO13

OCT 17 1978

DOCUMENT  
NUMBER

10-U02401LM

CHARLES STARN DRAPER LABORATORY  
(U) HYDROFOIL UNIVERSAL DIGITAL AUTOPILOT  
(HYDAP) I-MPHASE 1 FINAL REPORT

DOZAN, P. P.  
GASBRA, P.S.  
DECANIO, P.T.

RPT-745

JAN 73

RELEV 1

N00014-67-A-0294-0060

REMARKS: REF. TRIALS PLAN NAO64-P328(10-U07258)

10-C00700 M

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) SUMMARY OF HYDROFOIL PARTICIPATION IN FLEET

EXERCISES (U)115 PPI

RABEL, C.R.

RELEV 3

REMARKS: REF TRIALS PLAN NE206-P226 (10-U07168)

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) AIRBORNE NOISE ANALYSIS OF USS PLAINVIEW (AGEM-1)  
AFTER INSTALLATION OF AIR INTAKE PLENUM ACOUSTIC  
TREATMENT

ARGIUO, L.J.

LTR APT 27-247

RELEV 2

REMARKS: REF TRIALS PLAN NAO74A-A242 (10-U07144)

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) MEASUREMENT OF AGEM STRUT-SOI AND MULL DYNAMIC  
CHARACTERISTICS BY "PLUCK" TEST

DOPELS, J.R.

YAF-SAD-13E-1968

RELEV 2

REMARKS: PROVIDES VERIFICATION OF ANALYTICAL AND  
EXPERIMENTAL TECHNIQUES

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHIP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 6

MEASUREMENTS AND DATA TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

OWNER-PART NO. NMON013 OCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) FIRE-PROTECTION SYSTEM IN USS PLAINVIEW (AGM-1)  
CUSTASION, R.E.  
RPI-3594  
AD0763566

REMARKS: REF TRIALS PLAN NAO20-A791 (10-U07274)

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) HYDRODYNAMIC AND STRUCTURAL PARAMETERS FOR  
T-FOLIS ON SIX FULL-SCALE HYDROFOIL CRAFT  
DESCH, P.K.  
TN-SPD-246

REMARKS: PHM DATA OUT OF DATE AS OF 02/73

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) FAILURE OF PLAINVIEW (AGM-1) STARBOARD FOIL  
INCIDENCE LINK, 11 DECEMBER 1972  
VARNAL, P.  
NETO 73-173-498

REMARKS: COMPREHENSIVE DESCRIPTION OF THE FAILURE  
AND HULL IMPACT. SEE DB NO. 10-U0191.

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) SERVICE EXPERIENCE OF STRUT AND FOIL DAMAGE ON  
NAVY HYDROFOILS (3 PPI)  
PABEL, C.R.  
NETO 73-114/ 9566-1 GEN

REMARKS: INFORMAL SUMMARY OF DEBRIS IMPACTS. NOT A  
COMPREHENSIVE TREATMENT

DAVID W. TAYLOR NAVAL SHIP RAD CENTER  
(U) ADEQUACY OF PCII-1 MOD 1 FORWARD STRUT DESIGN  
LOAD,  
BUCKLEY, M.M.  
NETO 173:WHB. 74-173-W76

REMARKS: REF TRIALS PLAN NAO49-P294 (10-U07245)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTRE ON THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 7

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. MH0013

DCT 17 1978

DOCUMENT NUMBER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-U05277 M

(U) USS PLAINVIEW (AGEM-11) PRELIMINARY VIBRATION  
STUDIES-REF TRIALS PLAN NW31-A231 (10-U07231)

SCHAUER, R.E. APR 74 RELEV 2

TAE-SAD-79E-1966

REMARKS: WELL DONE STUDY WHICH COMPARES FULL SCALE  
AND ANALYTICAL PREDICTIONS FOR HULL AND FOIL  
SYSTEM VIBRATIONAL CHARACTERISTICS AND STRUT  
FLUTTER SPEEDS. COMPARISON WITH MIL STD 167B AND  
MILITARY VIBRATION TOLERANCES LEVELS ARE ALSO MADE

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-U05451 M

(U) HYDROELASTIC DESIGN OF SUBCAVITATING AND  
CAVITATING HYDROFOIL STRUT SYSTEMS

BESCH, P.H.

LIU, V. APR 74 RELEV 1

RPT-4257

REMARKS: PRESENTS DESIGN PROCEDURES AND PARAMETRIC  
TRENDS THAT CAN BE USED TO AVOID FLUTTER AND  
DIVERGENCE IN HYDROFOIL STRUT-FLUTTER SYSTEMS. A  
GOOD SUMMARY OF HYDROELASTIC RESEARCH THAT IS  
APPLICABLE TO THE DESIGNER

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-U05282 M

(U) INSPECTION TRIP TO U. S. NAVY HYDROFOIL  
PLAINVIEW (AGEM-11) 12-14 OCT 1973 (TRIP REPORT)

JOHNSON, W.S. JUNE 74 RELEV 2

LTR 74-173-991173:WSJ

DAVID W. TAYLOR NAVAL SHIP RAD CENTER 10-U05684LM

(U) FATIGUE LOADS FOR PNM CONTROL LINKAGES (1120 PP)  
BUCKLEY, W.M. SEPT 74 RELEV 2

74-173-9187

REMARKS: LOADS ARE DERIVED FROM ANALYSIS OF PNM  
1 TRIALS DATA

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 8

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. 0000013

OCT 17 1978

DOCUMENT  
NUMBER

10-0000013

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) CHARACTERIZATION OF HYDROFOIL COATINGS ON THE  
BASIS OF ADHESION STRENGTH & EROSION RESISTANCE

180 BPI  
BOHLANDER, G.S.  
PRISLR, H.S.  
RPT-76-0048  
ADB011563

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART I  
TECHNICAL ASSESSMENT: HYDROFOIL VOL I & VOL II

(U)  
JUNE 76  
RELEV 1

1N-SDD-115-18

REMARKS: REF DB/NO 10-500168  
DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) ADVANCED NAVAL VEHICLE CONCEPT EVALUATION PART II  
TECHNICAL ASSESSMENT HYDROFOIL SHIP SIGNATURE  
EVALUATION

(U)  
AUG 76  
RELEV 1

1N-SDD-115-19  
REMARKS: SECRET SUPPLEMENT REF DB/NO. 10-500168.

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL  
INITIATIVES

(U)  
BUCKLEY, W.M.  
MEC-0-173-0146

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

10-0000013

DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL  
INITIATIVES

(U)  
BUCKLEY, W.M.  
MEC-0-173-0146

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

10-0000013  
DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL  
INITIATIVES

(U)  
BUCKLEY, W.M.  
MEC-0-173-0146

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

10-0000013  
DAVID W. TAYLOR NAVAL SHIP R&D CENTER  
(U) BACKGROUND INFORMATION RELATIVE TO RECOMMENDED  
SERVICE LIFE PLAN FOR PHM-3 CLASS HYDROFOIL SHIPS  
AND IMPLICATIONS RELATIVE TO LONG TERM STRUCTURAL  
INITIATIVES

(U)  
BUCKLEY, W.M.  
MEC-0-173-0146

REMARKS: A GOOD REVIEW OF STRUCTURAL LESSONS LEARNED  
AND A SUMMARY OF PHM-1 STRUCTURAL CRACKS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 9

HYDROFOIL R AND Q TRIALS DOCUMENTATION SUMMARY

KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. WMA013

OCT 17 1978

DOCUMENT

NUMBER

10-C00708L

DEFENCE RESEARCH ESTABLISHMENT, ATLANTIC

(U) TITLE IS RESTRICTED

JONES, E.A.

DRA IN-H73/3

MAR 73

RELEV 2

10-U05973LM

DEFENCE RESEARCH ESTABLISHMENT, ATLANTIC

(U) PREDICTION OF PITCH AND HEAVE MOTIONS OF

MULDBURNE HYDROFOIL VESSELS (63' BPI)

JAN 74

RELEV 2

DRA RP7-74/2

AD8002938

REMARKS: CORRELATION LOOK EXCELLENT IN HEAD SEAS.

CORRELATES AGEM MODEL TESTS, FME-400 FULL SCALE

DATA WITH COMPUTER PROGRAM

10-U02312 M

GERMAN AEROSPACE CORP.

(U) ANALYSIS OF AG1EM1 PROTOTYPE FORWARD FOIL LIFT

AND FLIGHT DATA

BRIGGS, M.R.

NOTE AG-13

RELEV 2

APR 73

RELEV 2

REMARKS: A GOOD CRITIQUE AND ANALYSIS OF TRIAL DATA

AND COMPARED WITH MODEL AND THEORETICAL ANALYSIS.

GRUMMAN AEROSPACE CORP.

(U) DETAILED DESIGN OF AG1EM1 FORWARD FOIL FLAP

CONTROL SYSTEM

APR 73

RELEV 3

RPT 71B-801-6

NOA406-72-C-0720

REMARKS: REF TRIALS PLAN HY087-A288 (10-U07156)

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 10

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
HYD TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. SHN013

OCT 17 1978

DOCUMENT NUMBER

JOHNS HOPKINS APPLIED PHYSICS LABORATORY 10-000653

(U) ACOUSTICAL MEASUREMENTS OF SURFACE EFFECT SHIPS  
(SES 100A AND SES 100B)(U)(125 PP)

MILL, F.K.

DINAN, J.J.

SHAW, T.R.

RPT OH-73-165

NO0017-72-C-4401

ADCO00435

REMARKS: COMPARATIVE WATERSURFACE NOISE DATA FROM PCH-

1. PCH-1, AGEM-1, PCH-1, DENISON, SRN-4, SES

100A, AND SES 100B. RNA-4.

MARE ISLAND NAVAL SHIPYARD

(U) HYDROFOIL COATINGS PROJECT US HIGH POINT (PCH-1)  
SOIL INSPECTIONS AND REFURBISHMENTS-SUMMARY

REPORT COVERING PERIOD 9/69-8/71

JUNE 72

RELEV 3

TM-134.5-71

REMARKS: REF TRIALS PLAN NAO23-2102 (10-007278)

MARINE TECHNOLOGY

(U) COMPUTER SUPPORT IN THE DESIGN AND TESTING OF

UNDERSEA Towed SYSTEMS

BURROUGHS, J.D.

BENZ, R.C.

APR 74 RELEV 3

VOL II, NO. 2, PP 159- 172

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP - A BANK

SEARCH FOR

PAGE 11

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. UN0013

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL COASTAL SYSTEMS LABORATORY

(U) PRESSURE SIGNATURE MEASUREMENTS OF THE HYDROFOIL  
USS PLAINVIEW (AGM-1) (U) (137 PP)

WILBANKS, E.A.

VAN BIBBER, V.H.

WCGRAF, C.J.

NCSL-190-73

AD527417

REMARKS: REF TRIALS PLAN NU036A-A260 (10-U07238)

DNSRDC LIBRARY #512,688

NAVAL COASTAL SYSTEMS LABORATORY

(U) INFLUENCE FIELDS OF THE HIGHPOINT PCH-1 (U) (58  
PP)

VAN BIBBER, V.H.

WILBANKS, E.A.

NCSL-230-75

REMARKS: NSRDC LIBRARY #5 13850

NAVAL ELECTRONICS LABORATORY CENTER

(U) HYDROFOIL SHIP SIGNATURE EVALUATION STUDY (U)  
(102 PP)

EPSTEIN, R.R.

HELC LTR SER 0232-S19

REMARKS: REF TRIALS PLAN NU036A-A260 (10-U07238).  
EXCELLENT REVIEW OF EXISTING HYDROFOIL SIGNATURE  
INFO.

10-500123

1

10-500137L

(U) SEA SPARROW/HYDROFOIL COMPATIBILITY TEST REPORT  
GROSS, T.A.

JUNE 73 RELEV 2

TR-276

REMARKS: REF TRIALS PLAN NU040A-A272 (10-U07239)

10-500543 M

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR

PAGE 12

HYDROFOIL A AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. MNND013

OCT 17 1978

DOCUMENT  
NUMBER

NAVAL SURFACE WEAPONS CENTER, DAMLGBRN, VIRGINIA  
(U) RESULTS OF THE VERSATILE ELECTRO-OPTICAL SYSTEM  
SHIPBOARD DEMONSTRATION ABOARD THE USS SAGINAW  
LST-1881 (U)

TOKAR, J.M. MAY 76 RELEV 3  
NSWC. DLT RA-3491  
ADC006147

REMARKS: DESCRIBES AT-SEA-DEMONSTRATION OF (WEOS)  
FOR AMPHIBIOUS AND FIRE CONTROL MISSIONS. SEE  
HYDROFOIL TRIALS PLAN NO 095-TP14 (10-UC7163)

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TONEO SYSTEM: TRIAL

EVALUATION PART I SUMMARY AND DATA  
CALKINS, D.E. AUG 72 RELEV 2  
NUC 1P 241: PART I

AD907565L  
REMARKS: FOR ALL 5 PARTS SEE DS NOS 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY NO U006367

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TONEO SYSTEM: TRIAL  
EVALUATION PART II SYSTEM DESCRIPTION AND  
OPERATIONAL CRITIQUE

CALKINS, D.E.  
FORD, L.A. AUG 72 RELEV 2  
NUC 1P 241: PART II

AD907566L  
REMARKS: FOR ALL 5 PARTS SEE DS NOS. 10-U02314 THRU  
10-U02318L. NSRDC LIBRARY U006367

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

STATE SEARCH RESULTS - ADVANCED SMILE DATA BANK

卷之三

## **HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY**

QUEEN-PART MD. MM013  
OCT 17 1979

DOCUMENT  
NUMBER  
10-U02231SLM  
10-U02314 THRU  
NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOW-D SYSTEM: TRIAL  
EVALUATION PART III: TOWLINE HYDRO-DYNAMIC  
PERFORMANCE  
CAMMINS, D.E.  
NUC 1P 241; PART III  
AUG 72 RELEV 2  
AD007567L  
REMARKS: FOR ALL 5 PARTS SEE DB NO. 10-U02314 THRU  
10-U02315LM  
10-U02316LM  
10-U02317LM  
10-U02318LM  
10-U02319LM  
10-U02310LM  
10-U02311LM  
10-U02312LM  
10-U02313LM

NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL  
EVALUATION PART IV: DEPRESSOR HYDRODYNAMIC  
PERFORMANCE  
CALINIS, D. E. AUG 72 RELEV 2  
NUC 1P 241: PART IV  
AD907568L  
REMARKS: FOR ALL 5 PARTS SEE DB NOS. 10-U02314 THRU

10-U90231BLW  
NAVAL UNDERSEA CENTER  
(U) HYDROFOIL HIGH-SPEED TOWED SYSTEM: TRIAL  
EVALUATION PART V: TOWED SYSTEM  
COMPUTER-SIMULATION CORRELATION  
CALMINS, D. E.  
TURNSTALL, E. B.  
BENZ, R. C.  
NUC 1P 241: PART V  
AUG 72 RELEVEY 2  
AD907569L  
REMARKS: RPT ESTABLISHES VALIDITY OF DIGITAL AND  
ANALOG TOWED-SYSTEM SIMULATIONS. SEE DB MOS  
10-U90231A TOWED-SYSTEM 01-U90231BLW

NAVAL UNDERWATER SYSTEMS CENTER 10-C00797  
(U) PCH-1 TONED ARRAY SONAR SYSTEM HIGH SPEED TEST  
RESULTS (U)(44 PP)  
O'NEILL, R.  
OPT SAL44-C24-75  
JAN 75 RELEV 3

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSRDC. BUT REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

SHARP SEARCH RESULTS - ADVANCED SHIP DATA BANK

SEARCH FOR PAGE 14

HYDROFOIL R AND D TRIALS DOCUMENTATION SUMMARY  
KEY TRIALS DOCUMENTS - RELEVANCE 1 THRU 3

QUERY-PART NO. MNN013

OCT 17 1970

DOCUMENT NUMBER

PUGET SOUND NAVAL SHIPYARD 10-005493 M  
(U) USS HIGH POINT (PCH-1) MOD-1-STRUCTUREBORNE AND

AIRBORNE NOISE SURVEY

MAY 74

REFLEV 2

T-10146  
REMARKS: REF TRIALS PLAN NAO34A-P301 (10-005286)

U. S. COAST GUARD 10-007463 M  
101 OPERATIONAL EVALUATIONS OF THE HYDROFOIL CONCEPT  
FOR US COAST GUARD MISSIONS-EXECUTIVE SUMMARY (24

PPI)

EMRMON, P. L.

WILLIAMS, R. E.

CG-D-14-76

ADA022499

DEC 75

REFLEV 3

QUALIFIED INDIVIDUALS MAY REVIEW THESE DOCUMENTS AT NSROC, BUT  
REQUESTS FOR COPIES SHOULD BE MADE TO THE DEFENSE DOCUMENTATION  
CENTER OR THE ORIGINATOR OF THAT DOCUMENT. MICROFICHE COPIES  
CAN BE PROVIDED TO PROGRAM PARTICIPANTS ON A CASE BASIS.

END

DAT  
ILM